

<211> 536  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(536)  
 <223> n = A,T,C or G

<400> 69  
 actagtccag tgtggtggaa ttccattgtg ttgggggctc tcaccctcct ctctcgagc 60  
 tccagctttg tgccttgctc ctgaggagac catggcccag catctgagta ccctgctgct 120  
 cctgctggcc accctagctg ttggccctggc ctggagcccc aaggaggagg ataggataat 180  
 ccgggtgggc atctataacg cagaccctcaa tggatgagtg gtacagcggt cccttcactt 240  
 cgccatcagc gagtataaca aggccaccaa agatgactac tacagacgtc cgctgcgggt 300  
 actaagagcc aggcaacaga ccgttggggg ggtgaattac ttcttcgacg tagaggtggg 360  
 ccgaaccata tgtaccaagt cccagcccaa cttggacacc tgtgccttcc atgaacagcc 420  
 agaactcgac aagaaacagt tgtgctcttt cgagatctac gaagttccct ggggagaaca 480  
 gaangtcctt ggggtgaaatc caggtgtcaa gaaatcctan ggaatctgtg ccaggc 536

<210> 70  
 <211> 477  
 <212> DNA  
 <213> Homo sapien

<400> 70  
 atgagcccta acagggggccc tctcagccct cctaagtacc tcggcctag ccatgtgatt 60  
 tcacttccac tccataacgc tctctactac aggcctacta accaacacac taaccatata 120  
 ccaatgtagg cgcatgttaa cagcagaaga cacataccaa ggccaccaca caccacctgt 180  
 ccaaaaaggg cttcgatacg ggataatcct atttattacc tcagaagtgt ttttcttcgc 240  
 agggattttt ctgagccttt taccactcca gcctagcccc taccccccaa ctaggaggggc 300  
 actggccccc aacaggcctc accccgctaa atccctaga agtccactc ctaaacacat 360  
 cgtattactc cgcatcagga gtatcaatca cctgagctca ccatagtcta atagaaaaca 420  
 accgaaacca aattattcaa agcactgctt attacaattt tactgggtct ctatttt 477

<210> 71  
 <211> 533  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(533)  
 <223> n = A,T,C or G

<400> 71  
 agagctatag gtacagtgtg atctcagctt tgcaaacaca ttttctacat agatagtact 60  
 aggtattaat agatagttaa agaaagaaat cacaccatta ataattgtta gatttggtta 120  
 tgtgatttta gtggtatttt tggcaacctt atatatgttt tccaaacttt cagcagtgat 180  
 attattttcca taacttaaaa agtgagtttg aaaaagaaaa tctccagcaa gcatctcaatt 240  
 taaataaagg tttgtcatct ttaaaaatac agcaatatgt gactttttta aaaagctgtc 300  
 aaataggtgt gaccctacta ataattatta gaaatcatt taaaacatc gactaacctca 360  
 agtcagtttg ccttgaaaaa tatcaaatat aactcttaga gaaatgtaca taaaagaatt 420  
 ctctgtaatt ttggagtang aggttccctc ctcaattttg tatttttaaa aagtaacatt 480  
 taaaaaaaaa aattcacaac agtatataag gctgtaaaaa gaagaattct gcc 533

<210> 72  
 <211> 511

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(511)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 72

tattacggaa	aaacacacca	cataattcaa	ctancaaaga	anactgcttc	agggcgtgta	60
aaatgaaggg	cttcacaggca	gttatctgat	taaagaacac	taaaagaggg	acaaggctaa	120
aagccgcagg	atgtctacac	tatancaggc	gctatttggg	ttggcgtggag	gagctgtgga	180
aaacatggan	agatttggtgc	tgganatcgc	cgtggctatt	cctcattggt	attacanagt	240
gaggttctct	gtgtgccacc	tggtttgaaa	accgttctnc	aataatgata	gaatagtaca	300
cacatgagaa	ctgaaatggc	ccaaacccag	aaagaaagcc	caactagatc	ctcagaanac	360
gcttctaggg	acaataaccg	atgaagaaaa	gatggcctcc	ttgtgccccc	gtctgttatg	420
atttctctcc	attgcagcna	naaacccgtt	cttctaagca	aaacnagggt	atgatggcna	480
aaatacacc	cctcttgaag	naccnggagg	a			511

&lt;210&gt; 73

&lt;211&gt; 499

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(499)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 73

cagtcgcagc	actggtgcca	gtaccagtac	caataacagt	gccagtgcca	gtgccagcac	60
cagtggtggc	ttcagtgctg	gtgccagcct	gaccgccact	ctcacatttg	ggctctctgc	120
tggccttggg	ggagctggtg	ccagcacccag	tggcagctct	gggtgcctgtg	gtttctccta	180
caagtggagt	tttagatatt	gttaatectg	ccagctcttc	tcttcaagcc	agggtgcatt	240
ctcagaaacc	tactcaacac	agcactctag	gcagccaacta	tcaatcaatt	gaagttgaca	300
ctctgcatta	aatctatttg	ccatttctga	aaaaaaaaaa	aaaaaaaaag	cgggcgctcg	360
antctagagg	gcccgcttaa	accgcgtgat	cagcctcgac	tgtgccttct	anttgccagc	420
catctgtgtg	ttgccctccc	cccgntgcct	tccttgacc	tggaaagtgc	cactcccaact	480
gtcctttcct	aantaaaat					499

&lt;210&gt; 74

&lt;211&gt; 537

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(537)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 74

tttcatagga	gaacacactg	aggagatact	tgaagaattt	ggattcagcc	gcgaagagat	60
ttatcagctt	aactcagata	aaatcattga	aagtaataag	gtaaaagcta	gtctctaaat	120
tccaggccca	cggctcaagt	gaatttgaat	actgcattta	cagtgtagag	taacacataa	180
catttgtatgc	atggaaacat	ggaggaaacag	tattacagtg	tcttaccact	ctaatacaag	240
aaagaattac	agactctgat	tctacagtg	tgattgaatt	ctaaaaatgg	taatcattag	300
ggctttttgat	ttataanaact	ttgggtactt	atactaaatt	atggtagtta	tactgccttc	360
cagtttgctt	gatataattg	ttgatattaa	gattctctgac	ttatattttg	aatgggttct	420

actgaaaaan gaatgatata ttcttgaaga catcgatata cattttatta cactcttgat	480
tctacaatgt agaaaaatgaa ggaaatgccc caaatgttat ggtgataaaa gtcccgct	537

<210> 75  
 <211> 467  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(467)  
 <223> n = A,T,C or G

<400> 75	
caaanacaat tgttcaaaag atgcaaatga tacactactg ctgcagctca caaacacctc	60
tgcataattac acgtacctcc tctgtctctt caagtagtgt ggtctatttt gccatcatca	120
cctgtgtgtct gcttagaaga acggctttct gctgcaangg agagaaatca taacagacgg	180
tggcacaagg aggcacatctt ttctcatcgc gttattgtcc ctagaagcgt cttctgagga	240
tctagtggg ctttctttct ggggttgggc catttcaant ctcatgtgtg tactattcta	300
tcattattgt ataacggttt tcaaacnctg gggaacnctg agaacctcac tctgtaataa	360
caatgaggaa tagccacggt gatctccagc accaaatctc tccatgttnt tccagagctc	420
ctccagccaa cccaaatagc cgtcgtctatn gtgtagaaca tccctgn	467

<210> 76  
 <211> 400  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(400)  
 <223> n = A,T,C or G

<400> 76	
aagctgacag cattcggggc gagatgtctc gctccgtggc cttagctgtg ctgcgctac	60
tctctctttc tggcctggag gctatccagc gtactccaaa gattcagggt tactcacgtc	120
atccagcaga gaattgaaag tcaaatctcc tgaattgcta tgtgtctggg ttctcatcat	180
cgcagattga agttgactta ctgaagaatg gagagagaat tgaaaaaagt gagcattcag	240
actgtctttt cagcaaggac tggctctttc atctcttcta ctacactgaa ttcaccccca	300
ctgaaaaaga tgaagtatgc tgcctgtgta accatgtgac ttgttcacag cccaagatng	360
tttngtggga tcganacatg taagcagcan catggggagt	400

<210> 77  
 <211> 248  
 <212> DNA  
 <213> Homo sapien

<400> 77	
ctgagtgccc ttggtgtttc aagccctcgc aggaagcaga atgcaccttc tgaggacctc	60
ccagctgccc cggcggggga tgcgaggtcc ggagcaccct tgcccggctg tgattgtctc	120
caggcactgt tcatctcagc tttctgtccc ctttctcccc ggcaagcgct tctgtctgaa	180
gttcatactc ggagcctgat gtcttaacga ataaaggctc catgctccac ccgaaaaaaa	240
aaaaaaaa	248

<210> 78  
 <211> 201  
 <212> DNA  
 <213> Homo sapien

<400> 78  
 actagtccag tgtggtggaa ttccattgtg ttggggcccaa cacaaatggct acctttaaca 60  
 tcaccacagac ccgcacctgc ccgtgcccca cgctgctgct aacgacagta tgaatgcttac 120  
 tctgtacttc ggaactatt tttatgtaat taatgtatgc tttctgttt ataatgcct 180  
 gatttaaaaa aaaaaaaa a 201

<210> 79  
 <211> 552  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(552)  
 <223> n = A,T,C or G

<400> 79  
 tctttttgtt aggtttttga gacaacccta gacctaaact gtgtcacaga cttctgaatg 60  
 tttaggcagt gctagtaatt tctcgttaatt ttactttcct attctttatt 120  
 cctctttctt ctgaagatta atgaagtga aaattgaggt ggataaatac aaaaaggtgag 180  
 tgtgatagta taagtatcta agtgcagatg aaagtgtgtt atatatatcc attcaaaatt 240  
 atgcaagtta gtaattactc aggtttaact aaattacttt aatatgctgt tgaacctact 300  
 ctgttccttg gctagaaaaa attataaaca ggactttgtt agtttgggaa gccaaattga 360  
 taatatctta tgttctaaaa gttgggctat acataaanta tnaagaaata tggaaatttta 420  
 ttcccagaaa tatggggttc atttatgaat antacccggg anagaagtgt tganthnaac 480  
 cngttttggt taatacggtta atatgtcctn aatnaacaag gcntgacctta tttccaaaaa 540  
 aaaaaaaa aa 552

<210> 80  
 <211> 476  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(476)  
 <223> n = A,T,C or G

<400> 80  
 acaggagattt gagatgctaa ggccccagag atcgtttgat ccaaccctct tattttcaga 60  
 ggggaaaatg gggcctagaa gttacagagc atctagctgg tgcgctggca cccctggcct 120  
 cacacagact cccgagtgc tgggactaca ggcacacagt cactgaagca ggcctgtgtt 180  
 gcaattcacg ttgcacctc caacttaaac attcttcta tgtgatgtcc ttagtacta 240  
 aggttaaac ttcccacca gaaaaggcaa cttagataaa atcttagagt actttcatac 300  
 tcttctaaat cctcttcag cctcaacttg agtctcctt gggggttgat aggaantntc 360  
 tcttggttt ctcaataaaa tctctatcca tctcatgtt aatttggtag gcntaaaaat 420  
 gctgaaaaaa taaaaatgtt ctggtttcnc tttaaaaaaa aaaaaaaa aaaaaa 476

<210> 81  
 <211> 232  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(232)  
 <223> n = A,T,C or G

```

<400> 81
tttttttttg tatgcntcn ctgtggngtt attgttgctg ccaccctgga ggagccagtt      60
ttcttctgta tttttctttt ctggggggtc ttctctggctc tgccctccca ttcccagcct      120
ctcatcccca tcttgcaact ttgttagggt tggaggcgct ttctctgtag ccctcagag      180
actcagtcag cggaataaag tcttaggggt ggggggtgtg gcaagccgag ct      232

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```

<210> 82
<211> 383
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

```

```

<400> 82
aggcgggagc agaagctaaa gccaaagccc aagaagagtg gcagtgccag cactggtgcc      60
agtaccagta ccaataacat gccagtgcca gtgccagcac cagtgtgtgc ttcagtgctg      120
gtgccagcct gaccgcgaact ctacacattg ggctcttgcc tggccttggt ggagctgggt      180
ccagcaccag tggcagctctt ggtgcctgtg gtttctccta caagtgcagt tttagatatt      240
gttaatctg ccagctctttt tcttcaagcc aggggtgcac ctccagaacc taactcaaac      300
agcactctng gcagccaact tcaatcaatt gaagttgaca ctctgcatta aatctatttg      360
ccatttcaaa aaaaaaaaaa aaa      383

```

```

<210> 83
<211> 494
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(494)
<223> n = A,T,C or G

```

```

<400> 83
accgaattgg gaccgtggc ttataagcga tcatgtcttc cagtattacc tcaacgagca      60
gggagatcga gtctatacgc tgaagaaatt tgacccgatg ggacaacaga cctgctcagc      120
ccatctctgt cggttctctcc catagtacaa atactctcga caccgaatca ccatcaagaa      180
acgcttcaag gtgctcatga ccagcaaac ccgcccctgtc ctctgaggggt ccttaaaactg      240
atgtcttttc tgccacctgt taccctctcg agactctgta accaaactct tcggactgtg      300
agccctgatg cctttttgcc agccatactc tttggcntcc agtctctcgt ggccattgat      360
tatgctttgt tgaggcaact atggtggcat caccatnaa gggaacacat ttganttatt      420
tttncatat tttaaattac naccagaata nttcagaata aatgaattga aaaactotta      480
aaaaaaaaaa aaaa

```

```

<210> 84
<211> 380
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(380)
<223> n = A,T,C or G

```

```

<400> 84

```

```

gctggtagcc tatggcgtgg ccacggangg gctcctgagg caccggagac tgacttccca      60
agtatcctgc gccgcgtctt ctaccgtccc tacctgcaaga tcttcgggca gattccccga      120
gaggacatgg acgtggccct catggagcac agcaactgct cgtcgggacc cggtctctgg      180
gcacaccctc ctggggccca ggccggcacc tgcgtctccc agtatgccaa ctggctgggtg      240
gtgctgctcc tcgtcatctt cctgcctcgt gccaacatcc tgcctggtcac ttgctcattg      300
ccatgttccag ttacacattc ggcaaaagtac agggcaacag cnatctctac tgggaaggcc      360
agcgttncgg cctcatccgg                                     380

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```

<210> 85
<211> 481
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = A,T,C or G

```

```

<400> 85
gagttagctc ctccacaacc ttgatgaggt cgtctgcagt gccctctcgc ttcataccgc      60
tncacatgct atactgtagg ttggccacca cctcctgcac ctggggcgcg ctaatatcca      120
ggaaactctc aatcaagtca ccgtcnatna aacctgtggc tgggtctgtc ttccgctcgg      180
tgtgaaagga tctccagaag gagtgtctga tcttccccac acctttgatg actttatgga      240
gtcgattctg catgtccagc agggaggttg accagctctc tgacagt gag gtcaaccagcc      300
ctatcatgcc ntgtaacgtg ccgaagaaca ccgagccttg tgtggggggg gnagtctcac      360
ccagattctg cattaccaga nagccgtggc aaaaganatt gacaactcgc ccaggngaa      420
aaagaacacc tcttggaaat gctngccgct cctcgtccnt tggtggnngc gcntnccitt      480
t                                     481

```

```

<210> 86
<211> 472
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

```

```

<400> 86
aacatcttcc tgtataatgc tgtgtaatat cgatccgatn ttgtctgctg agaattcatt      60
acttggaaaa gcaacttnaa gccctggcac ttgtattaaa attcacaata tgcaaacactt      120
taaacagtgt gtcaatctgc tcccttactt tgtcatcacc agtctgggaa taagggtatg      180
ccctattcac acctgttaaa agggcgctaa gcatttttga ttcaaacatct ttttttttga      240
cacaagtcgg aaaaaagcaa aagtaaacag ttnttaattt gtagccaat tcactttctt      300
catgtagacc agccatttga tttaaaaagc aaattgcata atattgagct ttgggagctg      360
atatnagcgc ggaagantag cctttctact tcaccagaca caactccttt catattggga      420
tgttnacnaa agttatgtct cttacagatg ggatgctttt tgggcaattc tg                                     472

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```

<210> 87
<211> 413
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(413)
<223> n = A,T,C or G

```

```

<400> 87
agaacacagt atctctnaaa acaacctctc atacctgtg gacctaatgt tgtgtgcgtg      60
tgtgtgtgcy cgcataattat atagacaggg acatcttttt tacttttgta aaagcttatg      120
cctcttttgg atctatatct gtgaaagtgt taatgatctg ccataatgtc ttggggacct      180
ttgtcttctg tgtaaatggg actagagaaa acacctatnt tatgagtcaa tctagttngt      240
tttattcgac atgaaggaaa ttccagatn acaacactna caaactctcc cttgactagg      300
ggggacaaag aaaagcaaaa ctgaacatna gaaacaatn cctggtgaga aattncataa      360
acagaaattg ggtngtatat tgaaanann catcattnaa acgttttttt ttt              413

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```

<210> 88
<211> 448
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(448)
<223> n'= A,T,C or G

```

```

<400> 88
cgcagcgggt cctctctatc tagctccagc ctctcgctg cccactccc cgcgtccgcg      60
gtcctagccn accatggccg ggccctctgc cgcgccgctg ctctgctggt ccactctggt      120
cgtggccctg gccgtgagcc cgcggggccg ctccagctcc ggcaagcccg cgcgcctggg      180
gggagggccc tggaccgccg gtggaagaag aaggtgtgcy gcgtgcactg gactttgccc      240
tcggcnanta caacaaaccc gcaacnactt ttccnagcn cgcgctgcag gttgtgccc      300
cccaancaaa ttgttactng ggtaantaa ttcttggaag ttgaacctg gcacaaacnn      360
tttaccagaa ccnagccaat tngaacaatt nccctccat aacagccctt tttaaaaagg      420
gaancantcc tgmtcttttc caaathtt              448

```

```

<210> 89
<211> 463
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(463)
<223> n'= A,T,C or G

```

```

<400> 89
gaattttgtg cactggccac tgtgatgaa ccattgggcc aggatgcttt gagtttatca      60
gtagtgtatt tgccaaaagt ggtgttgtaa catgagtatg taaaatgtca aaaaattagc      120
agaggtctag gtctgcatat cagcagacag ttgtgccgtg tattttgtag ccttgaaagt      180
ctcagtgaca agttnnttct gatgcgaagt tctnattcca gtgttttagt cctttgcate      240
tttnatgtn agacttgccct ctntnaaaat gcttttgnit tctgcaggta ctatctgtgg      300
tttaacaaaa tagaannact tctctgcttn gaanatttga atatcttaca tctnaaaatn      360
aattctctcc ccatannaaa acccangccc ttggganaat ttgaaaaang gntccttcnn      420
aattcnnana anttcagntn tcatacaaca naacngganc ccc              463

```

```

<210> 90
<211> 400
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(400)

```

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 90

agggattgaa	ggtctntnt	actgtcggac	tgttcancca	ccaactctac	aagttgctgt	60
cttcacactca	ctgtctgtaa	gcntnttaac	ccagactgta	tcttcataaa	tagaacaagt	120
tcttcaccag	tcacatcttc	taggaccttt	ttggattcag	ttagtataag	ctcttcacact	180
tcctttgtta	agacttcact	tggtaaagtc	ttaagttttg	tagaaaggaa	ttaaattgct	240
cgttctccaa	caatgtccctc	tccttgaagt	atttggtgga	acaacccacc	tnaagtcctc	300
ttgtgcattcc	attttaata	tacttaatag	ggcattggtn	cactagggtta	aattctgcaa	360
gagtcattctg	tctgcaaaag	ttgcgttagt	atatctgcca			400

&lt;210&gt; 91

&lt;211&gt; 480

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(480)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 91

gagctcgagat	ccaataatct	ttgtctgag	gcagcacaca	tatncagtc	catggnaact	60
ggtctacccc	acatgggagc	agcatgcggt	agntatataa	ggctattccc	tgagtcagac	120
atgcctcttt	gactacogtg	tgccagtgct	gggtattctc	acacacctcc	nnocgctctt	180
tggtgaaaaa	ctggcacttg	ncgtggaacta	gcaagacatc	acttacaaat	tcaccaccga	240
gacacttgaa	aggtgttaaca	aagcgactct	tgcaattgct	tttgtccctc	cggcaccagt	300
tgctcaact	aaccgcgtgg	tttgccctcca	tcacatttgt	gatctgtagc	tctggatata	360
tctcttgaca	gtactgaaga	acttctctt	ttgtttcaaa	agcaactctt	gggtgctgtt	420
ngatcaggtt	cccatttccc	agtcogaatg	ttcacatggc	atatnttact	tcaccacaaa	480

&lt;210&gt; 92

&lt;211&gt; 477

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(477)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 92

atacagccca	natcccacca	cgaagatgog	cttgttgact	gagaacctga	tgoggtcaact	60
ggtcccgctg	tagcccacag	gactctccac	ctgctggaag	cggttgatgc	tgcaactcct	120
cccacgcagg	cagcagcggg	gcggttcaat	gaactccact	cgtggcttgg	ggttgacggt	180
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accagcgagc	aaacggcggt	gaacagccgc	acctcacgga	tgcccantgt	gtcgcgctcc	420
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&lt;210&gt; 93

&lt;211&gt; 377

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature



&lt;222&gt; (1)...(377)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 93

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caacaacaaa	ataacatgtt	tgctgtttna	gttgataaaa	agtangtgat	tctgtatnta	300
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&lt;210&gt; 94

&lt;211&gt; 495

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(495)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 94

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tgcaagctca	ccaaggtccc	ctctcagtc	cttccctaca	ccctgaacgg	ncactggccc	360
acaccacccc	agancancca	cccgcacatg	ggaatgttct	caaggaaatc	cnngggcaacg	420
tggactctng	tcccnnaagg	gggcagaatc	tccaatagan	gganngaacc	cttgctnana	480
aaaaaaaaana	aaaaa					495

&lt;210&gt; 95

&lt;211&gt; 472

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(472)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 95

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&lt;210&gt; 96

&lt;211&gt; 476

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

<220>  
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 <222> (1)... (476)  
 <223> n = A,T,C or G

<400> 96  
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 ttttaactca tgatttttac acacacaatc cagaacttat tatatagcct ctaagtcttt 180  
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 tgtgttagtc tcaattccta ccacactgag ggagcctccc aaatcactat attcttatct 360  
 gcagggtact ctcacagaaa acngacaggy caggcttgca tgaaaaagtn acatctcgct 420  
 tacaagtctc atcttctcta nangtctgtn aaggaacaat ttaattctct agcttt 476

<210> 97  
 <211> 479  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)... (479)  
 <223> n = A,T,C or G

<400> 97  
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 caatcgcaaa tcaaaactca caagtgtctca tctgttgtag attttagtga ataagaactta 180  
 gattgtgctc ctctcgatac gattgtttct canatcttgg gcaatnttcc ttagtcaaat 240  
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 gtgattatna aattaactac aaatttcaat tatacctgct atcagcagct agaaaaacat 360  
 ntnttttta natcaaagta ttttgtgttt ggaantgtnn aaatgaaatc tgaatgtggg 420  
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<210> 98  
 <211> 461  
 <212> DNA  
 <213> Homo sapien

<400> 98  
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 agtgattcag ttctctctac ggaatgagaga ctggctcaag aatatctcta tgcagcttta 240  
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 ttaagaaaaa ctaccacatg ttgtgtatcc tgggtccggc cgtttatgaa ctgaccaccc 420  
 tttggaataa tcttgacgct cctgaacttg ctctctcgcg a 461

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 <211> 171  
 <212> DNA  
 <213> Homo sapien

<400> 99  
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cggtgagaaa agccttctct agcgatctga gaggcgtgcc ttgggggtac c 171

<210> 100

<211> 269

<212> DNA

<213> Homo sapien

<400> 100

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aaggctgagc	tgacgcccga	gaggtcgtgt	cacgtccac	gacctgaag	ccgtcgggga	180
cagccggaac	agagcccggt	gaagcgggag	gcctcgggga	gccccctggg	aagggcgcc	240
cgagagatac	gcaggtgcag	gtggccgc				269

<210> 101

<211> 405

<212> DNA

<213> Homo sapien

<400> 101

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gatgatcagt	acgaataaccg	aggcatattc	tcatatcggt	ggcca		405

<210> 102

<211> 470

<212> DNA

<213> Homo sapien

<400> 102

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tcaaaatcta	aattattcaa	attagccaaa	tccttacc	ataatacc	aaaatcaaaa	180
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ccgcaaaagt	taaaaggaac	aacaaaattc	tttaaacac	cattataaaa	atcatatctc	360
aaatcttagg	ggaatatata	cttcacacg	gatcttaact	tttactcact	ttgtttattt	420
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<210> 103

<211> 581

<212> DNA

<213> Homo sapien

<400> 103

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<210> 104  
<211> 578  
<212> DNA  
<213> Homo sapien

<400> 104  
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<210> 105  
<211> 538  
<212> DNA  
<213> Homo sapien

<400> 105  
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aagatcatag agctgtgtaa tgaataagata aaatttgacc tcagaaactc tgagcattaa 240  
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<211> 473  
<212> DNA  
<213> Homo sapien

<400> 106  
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agactgtgtc tgtctgaatc aaatgatctg acctatcctc ggtggcaaga actcttcgaa 420  
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<210> 107  
<211> 1621  
<212> DNA  
<213> Homo sapien

<400> 107  
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a

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&lt;210&gt; 108

&lt;211&gt; 382

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 108

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Gly Pro Phe Cys Ala Met Val Leu Ala Asp Phe Gly Ala Arg Val Val
20 25 30
Arg Val Asp Arg Pro Gly Ser Arg Tyr Asp Val Ser Arg Leu Gly Arg
35 40 45
Gly Lys Arg Ser Leu Val Leu Asp Leu Lys Gln Pro Arg Gly Ala Ala
50 55 60
Val Leu Arg Arg Leu Cys Lys Arg Ser Asp Val Leu Leu Glu Pro Phe
65 70 75 80
Arg Arg Gly Val Met Glu Lys Leu Gln Leu Gly Pro Glu Ile Leu Gln
85 90 95
Arg Glu Asn Pro Arg Leu Ile Tyr Ala Arg Leu Ser Gly Phe Gly Gln
100 105 110
Ser Gly Ser Phe Cys Arg Leu Ala Gly His Asp Ile Asn Tyr Leu Ala
115 120 125
Leu Ser Gly Val Leu Ser Lys Ile Gly Arg Ser Gly Glu Asn Pro Tyr
130 135 140
Ala Pro Leu Asn Leu Leu Ala Asp Phe Ala Gly Gly Gly Leu Met Cys
145 150 155 160
Ala Leu Gly Ile Ile Met Ala Leu Phe Asp Arg Thr Arg Thr Asp Lys
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210						215					220				
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225					230				235						240
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Gly	Thr	Asp	Ala	Cys	Val	Thr	Pro	Val	Leu	Thr	Phe	Glu	Glu	Val	Val
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His	His	Asp	His	Asn	Lys	Glu	Arg	Gly	Ser	Phe	Ile	Thr	Ser	Glu	Glu
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Ile	Leu	Glu	Glu	Phe	Gly	Phe	Ser	Arg	Glu	Glu	Ile	Tyr	Gln	Leu	Asn
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Ser	Asp	Lys	Ile	Ile	Glu	Ser	Asn	Lys	Val	Lys	Ala	Ser	Leu		
				370				375							380

&lt;210&gt; 109

&lt;211&gt; 1524

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 109

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&lt;210&gt; 110

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 <212> DNA  
 <213> Homo sapien

<400> 110

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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa		3410

&lt;210&gt; 111

&lt;211&gt; 1289

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 111

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&lt;210&gt; 112

&lt;211&gt; 315

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 112

Met	Val	Phe	Thr	Val	Arg	Leu	Leu	His	Ile	Phe	Thr	Val	Asn	Lys	Gln
1				5					10					15	
Leu	Gly	Pro	Lys	Ile	Val	Ile	Val	Ser	Lys	Met	Met	Lys	Asp	Val	Phe
			20					25					30		
Phe	Phe	Leu	Phe	Phe	Leu	Gly	Val	Trp	Leu	Val	Ala	Tyr	Gly	Val	Ala
			35					40				45			
Thr	Glu	Gly	Leu	Leu	Arg	Pro	Arg	Asp	Ser	Asp	Phe	Pro	Ser	Ile	Leu
			50					55			60				
Arg	Arg	Val	Phe	Tyr	Arg	Pro	Tyr	Leu	Gln	Ile	Phe	Gly	Gln	Ile	Pro
65				70					75					80	
Gln	Glu	Asp	Met	Asp	Val	Ala	Leu	Met	Glu	His	Ser	Asn	Cys	Ser	Ser
				85					90				95		
Glu	Pro	Gly	Phe	Trp	Ala	His	Pro	Pro	Gly	Ala	Gln	Ala	Gly	Thr	Cys
			100					105					110		
Val	Ser	Gln	Tyr	Ala	Asn	Trp	Leu	Val	Val	Leu	Leu	Leu	Val	Ile	Phe
			115					120					125		
Leu	Leu	Val	Ala	Asn	Ile	Leu	Leu	Val	Asn	Leu	Leu	Ile	Ala	Met	Phe
			130					135					140		



Ser Tyr Thr Phe Gly Lys Val Gln Gly Asn Ser Asp Leu Tyr Trp Lys  
 145 150 155 160  
 Ala Gln Arg Tyr Arg Leu Ile Arg Glu Phe His Ser Arg Pro Ala Leu  
 165 170 175  
 Ala Pro Pro Phe Ile Val Ile Ser His Leu Arg Leu Leu Arg Gln  
 180 185 190  
 Leu Cys Arg Arg Pro Arg Ser Pro Gln Pro Ser Ser Pro Ala Leu Glu  
 195 200 205  
 His Phe Arg Val Tyr Leu Ser Lys Glu Ala Glu Arg Lys Leu Leu Thr  
 210 215 220  
 Trp Glu Ser Val His Lys Glu Asn Phe Leu Leu Ala Arg Ala Arg Asp  
 225 230 235 240  
 Lys Arg Glu Ser Asp Ser Glu Arg Leu Lys Arg Thr Ser Gln Lys Val  
 245 250 255  
 Asp Leu Ala Leu Lys Gln Leu Gly His Ile Arg Glu Tyr Glu Gln Arg  
 260 265 270  
 Leu Lys Val Leu Glu Arg Glu Val Gln Gln Cys Ser Arg Val Leu Gly  
 275 280 285  
 Trp Val Ala Glu Ala Leu Ser Arg Ser Ala Leu Leu Pro Pro Gly Gly  
 290 295 300  
 Pro Pro Pro Pro Asp Leu Pro Gly Ser Lys Asp  
 305 310 315

&lt;210&gt; 113

&lt;211&gt; 553

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 113

Met Val Gln Arg Leu Trp Val Ser Arg Leu Leu Arg His Arg Lys Ala  
 1 5 10 15  
 Gln Leu Leu Leu Val Asn Leu Leu Thr Phe Gly Leu Glu Val Cys Leu  
 20 25 30  
 Ala Ala Gly Ile Thr Tyr Val Pro Pro Leu Leu Glu Val Gly Val  
 35 40 45  
 Glu Glu Lys Phe Met Thr Met Val Leu Gly Ile Gly Pro Val Leu Gly  
 50 55 60  
 Leu Val Cys Val Pro Leu Leu Gly Ser Ala Ser Asp His Trp Arg Gly  
 65 70 75 80  
 Arg Tyr Gly Arg Arg Pro Phe Ile Trp Ala Leu Ser Leu Gly Ile  
 85 90 95  
 Leu Leu Ser Leu Phe Leu Ile Pro Arg Ala Gly Trp Leu Ala Gly Leu  
 100 105 110  
 Leu Cys Pro Asp Pro Arg Pro Leu Glu Leu Ala Leu Ile Leu Gly  
 115 120 125  
 Val Gly Leu Leu Asp Phe Cys Gly Gln Val Cys Phe Thr Pro Leu Glu  
 130 135 140  
 Ala Leu Leu Ser Asp Leu Phe Arg Asp Pro Asp His Cys Arg Gln Ala  
 145 150 155 160  
 Tyr Ser Val Tyr Ala Phe Met Ile Ser Leu Gly Gly Cys Leu Gly Tyr  
 165 170 175  
 Leu Leu Pro Ala Ile Asp Trp Asp Thr Ser Ala Leu Ala Pro Tyr Leu  
 180 185 190  
 Gly Thr Gln Glu Glu Cys Leu Phe Gly Leu Leu Thr Leu Ile Phe Leu  
 195 200 205  
 Thr Cys Val Ala Ala Thr Leu Leu Val Ala Glu Glu Ala Ala Leu Gly  
 210 215 220  
 Pro Thr Glu Pro Ala Glu Gly Leu Ser Ala Pro Ser Leu Ser Pro His

225                      230                      235                      240  
 Cys Cys Pro Cys Arg Ala Arg Leu Ala Phe Arg Asn Leu Gly Ala Leu  
                                  245                      250                      255  
 Leu Pro Arg Leu His Gln Leu Cys Cys Arg Met Pro Arg Thr Leu Arg  
                                  260                      265                      270  
 Arg Leu Phe Val Ala Glu Leu Cys Ser Trp Met Ala Leu Met Thr Phe  
                                  275                      280                      285  
 Thr Leu Phe Tyr Thr Asp Phe Val Gly Glu Gly Leu Tyr Gln Gly Val  
                                  290                      295                      300  
 Pro Arg Ala Glu Pro Gly Thr Glu Ala Arg Arg His Tyr Asp Glu Gly  
 305                      310                      315                      320  
 Val Arg Met Gly Ser Leu Gly Leu Phe Leu Gln Cys Ala Ile Ser Leu  
                                  325                      330                      335  
 Val Phe Ser Leu Val Met Asp Arg Leu Val Gln Arg Phe Gly Thr Arg  
                                  340                      345                      350  
 Ala Val Tyr Leu Ala Ser Val Ala Ala Phe Pro Val Ala Ala Gly Ala  
                                  355                      360                      365  
 Thr Cys Leu Ser His Ser Val Ala Val Val Thr Ala Ser Ala Ala Leu  
                                  370                      375                      380  
 Thr Gly Phe Thr Phe Ser Ala Leu Gln Ile Leu Pro Tyr Thr Leu Ala  
 385                      390                      395                      400  
 Ser Leu Tyr His Arg Glu Lys Gln Val Phe Leu Pro Lys Tyr Arg Gly  
                                  405                      410                      415  
 Asp Thr Gly Gly Ala Ser Ser Glu Asp Ser Leu Met Thr Ser Phe Leu  
                                  420                      425                      430  
 Pro Gly Pro Lys Pro Gly Ala Pro Phe Pro Asn Gly His Val Gly Ala  
                                  435                      440                      445  
 Gly Gly Ser Gly Leu Leu Pro Pro Pro Ala Leu Cys Gly Ala Ser  
                                  450                      455                      460  
 Ala Cys Asp Val Ser Val Arg Val Val Val Gly Glu Pro Thr Glu Ala  
 465                      470                      475                      480  
 Arg Val Val Pro Gly Arg Gly Ile Cys Leu Asp Leu Ala Ile Leu Asp  
                                  485                      490                      495  
 Ser Ala Phe Leu Leu Ser Gln Val Ala Pro Ser Leu Phe Met Gly Ser  
                                  500                      505                      510  
 Ile Val Gln Leu Ser Gln Ser Val Thr Ala Tyr Met Val Ser Ala Ala  
                                  515                      520                      525  
 Gly Leu Gly Leu Val Ala Ile Tyr Phe Ala Thr Gln Val Val Phe Asp  
 530                      535                      540  
 Lys Ser Asp Leu Ala Lys Tyr Ser Ala  
 545                      550

&lt;210&gt; 114

&lt;211&gt; 241

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 114

Met Gln Cys Phe Ser Phe Ile Lys Thr Met Met Ile Leu Phe Asn Leu  
 1                      5                      10                      15  
 Leu Ile Phe Leu Cys Gly Ala Ala Leu Leu Ala Val Gly Ile Trp Val  
                                  20                      25                      30  
 Ser Ile Asp Gly Ala Ser Phe Leu Lys Ile Phe Gly Pro Leu Ser Ser  
                                  35                      40                      45  
 Ser Ala Met Gln Phe Val Asn Val Gly Tyr Phe Leu Ile Ala Ala Gly  
 50                      55                      60  
 Val Val Val Phe Ala Leu Gly Phe Leu Gly Cys Tyr Gly Ala Lys Thr  
 65                      70                      75                      80

Glu Ser Lys Cys Ala Leu Val Thr Phe Phe Phe Ile Leu Leu Leu Ile  
                   85                  90                  95  
 Phe Ile Ala Glu Val Ala Ala Ala Val Val Ala Leu Val Tyr Thr Thr  
                   100                  105                  110  
 Met Ala Glu His Phe Leu Thr Leu Leu Val Val Pro Ala Ile Lys Lys  
                   115                  120                  125  
 Asp Tyr Gly Ser Gln Glu Asp Phe Thr Gln Val Trp Asn Thr Thr Met  
                   130                  135                  140  
 Lys Gly Leu Lys Cys Cys Gly Phe Thr Asn Tyr Thr Asp Phe Glu Asp  
                   145                  150                  155                  160  
 Ser Pro Tyr Phe Lys Glu Asn Ser Ala Phe Pro Pro Phe Cys Cys Asn  
                   165                  170                  175  
 Asp Asn Val Thr Asn Thr Ala Asn Glu Thr Cys Thr Lys Gln Lys Ala  
                   180                  185                  190  
 His Asp Gln Lys Val Glu Gly Cys Phe Asn Gln Leu Leu Tyr Asp Ile  
                   195                  200                  205  
 Arg Thr Asn Ala Val Thr Val Gly Gly Val Ala Ala Gly Ile Gly Gly  
                   210                  215                  220  
 Leu Glu Leu Ala Ala Met Ile Val Ser Met Tyr Leu Tyr Cys Asn Leu  
                   225                  230                  235                  240  
 Gln

<210> 115  
 <211> 366  
 <212> DNA  
 <213> Homo sapien

<400> 115  
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 ttggtttgat aatccatctt gctttttccc cattggaact agtcattaac ccactctctga 180  
 actggttagaa aaacatctga agagctagtc tatcagcattc tgacagggtga attggatggt 240  
 tctcagaacc atttcaacca gacagcctgt ttctatcctg ttttaataat tagtttgggt 300  
 tctctacatg cataacaaac cctgctccaa tctgtcacat aaaagtctgt gacttgaagt 360  
 ttagtc 366

<210> 116  
 <211> 282  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(282)  
 <223> n = A,T,C or G

<400> 116  
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 gagaaatgag atnaaacaca atnttataaa gtctacttag agaagatcaa gtgacctcaa 120  
 agactttact attttcatat ttaagacac atgatttatc ctatttttagt aacctggttc 180  
 atacgttaaa caaaggataa tgtgaacagc agagaggatt tgttggcaga aaatctatgt 240  
 tcaatctnga actatctana tcacagacat ttctatttct tt 282

<210> 117  
 <211> 305  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(305)  
 <223> n = A,T,C or G

<400> 117  
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 tatttatcct ccctcctgaa acaattgcaa aataanacaa aatatatgaa acaattgcaa 120  
 aataaggcaa aatatatgaa acaacaggtc tcgagatatt ggaatcagtc caatgaaggaa 180  
 tactgatccc tgatcactgt cctaatagcag gatgtgggaa acagatgagg tcacctctgt 240  
 gactgcccga gcttactgcc tgtagagagt ttctangctg cagttcagac agggagaaaat 300  
 tgggt 305

<210> 118  
 <211> 71  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(71)  
 <223> n = A,T,C or G

<400> 118  
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 aantcctggg t 71

<210> 119  
 <211> 212  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(212)  
 <223> n = A,T,C or G

<400> 119  
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 agtaagctgg cccttctaata aaaagaaaat tgaaggtttt ctactaanc ggaattaant 180  
 aatggantca aganaactccc aggcctcagc gt 212

<210> 120  
 <211> 90  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(90)  
 <223> n = A,T,C or G

<400> 120  
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 ctcccgccgc gcagaacatg ctgggtgtgt 90

<210> 121  
 <211> 218  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(218)  
 <223> n = A,T,C or G

<400> 121  
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 atatncangt aaattangga atgaattcat ggttcttttg ggaattcctt tacgatngcc 180  
 agcatanact tcatgtgggg atancagcta cccttgta 218

<210> 122  
 <211> 171  
 <212> DNA  
 <213> Homo sapien

<400> 122  
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 cattgttagt ctcattggaac aggaagtcgg atggtggggc atcttcagtg ctgcatgagt 120  
 caccaccccc ggggggtcat ctgtgccaca ggtccctggt gacagtcggg t 171

<210> 123  
 <211> 76  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(76)  
 <223> n = A,T,C or G

<400> 123  
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 ttatcaanta ttgtgt 76

<210> 124  
 <211> 131  
 <212> DNA  
 <213> Homo sapien

<400> 124  
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 ttaagatttg t 131

<210> 125  
 <211> 432  
 <212> DNA  
 <213> Homo sapien

<400> 125  
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 cttgaaaaag aggtgatagc tcttcagagg acttgtgact ttgtctcaga tgctgaagaa 120

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ctacagtcctg catttgccag aatgaagat gaatttgat taaatgagga tgctgaagat 180
ttgcctcacc aaacaaaagt gaaacaactg agagaaaatt ttcaggaaaa aagacagtgg 240
ctcttgaaat atcagtcact ttgagaatg ttctctagtt actgcatact tcattgatcc 300
catggtgggg gtcttgcatc tgtaagaatg gaattgattt tgcttttgca agaactctcag 360
caggaacatc cagaaccact attttctagc cctctgtcag agcaaacctc agtgcctctc 420
ctctttgctt gt 432

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<210> 126
<211> 112
<212> DNA
<213> Homo sapien

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<400> 126

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acacaaactg aatagtaaaa tagaaactga gctgaaattt ctaattcact ttctaaccat 60
agtaagaatg atatttcccc ccagggatca ccaaatattt ataaaaattt gt 112

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```

<210> 127
<211> 54
<212> DNA
<213> Homo sapien

```

```

<400> 127

```

```

accacgaaac cacaacaag atggaagcat caatccactt gccaaagcaca gcag 54

```

```

<210> 128
<211> 323
<212> DNA
<213> Homo sapien

```

```

<400> 128

```

```

acctcattag taattgtttt gttgtttcat ttttttctaa tgtctccctc ctaccagctc 60
acctgagata acagaatgaa aatggaagga cagccagatt tctcctttgc tctctgctca 120
ttctctctga agtctaggtt acccattttg gggaccattt ataggcaata aacacagttc 180
ccaaagcatt tggacagttt cttgttgtgt tttagaatgg ttttcccttt tcttagcctt 240
ttcctgcaaa aggtcactc agtcccttgc ttgctcagtg gactggggctc cccaggggctt 300
aggctgcctt cttttccattg tcc 323

```

```

<210> 129
<211> 192
<212> DNA
<213> Homo sapien

```

```

<220>

```

```

<221> misc_feature

```

```

<222> (1)...(192)

```

```

<223> n = A,T,C or G

```

```

<400> 129

```

```

acatacatgt gtgtatattt ttaaataatca cttttgtatc actctgactt tttagcatac 60
tgaaaacaca ctaacataat ttntgtgaac catgatcaga tacaacccaa atcatctatc 120
tagcacattc atctgtgata naaagatagg tgagtttcat ttccttcacg ttggccaatg 180
gataaacaaa gt 192

```

```

<210> 130
<211> 362
<212> DNA
<213> Homo sapien

```

<220>  
 <221> misc feature  
 <222> (1)...(362)  
 <223> n = A,T,C or G

<400> 130  
 ccctttttta tggatgagt agactgtatg tttgaanatt tanccacaac ctctttgaca 60  
 tataatgacg caacaaaaag gtgctgttta gtccatggt tcagtttatg cccctgacaa 120  
 gtttcattg tgttttgccg atcttctggc taatcgtggt atccctccatg ttattagtaa 180  
 ttctgtattc cattttgtta acgcttggt gatgtaacct gctangaggc taactttata 240  
 cttatttaaa agctcttatt ttgtggtcat taaaatggca atttatgtgc agcactttat 300  
 tgcagcagga agcacgtgtg ggttggttgt aaagctctt gctaattetta aaaagtaatg 360  
 gg 362

<210> 131  
 <211> 332  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc feature  
 <222> (1)...(332)  
 <223> n = A,T,C or G

<400> 131  
 ctttttgaaa gatcgtgtcc actcctgtgg acatcttgtt ttaatggagt ttcccatgca 60  
 gtangactgg tatgttgga gctgtccaga taaaaacatt tgaagagctc caaaatgaga 120  
 gttctccag gtctgccttg ctgtcccaag tctcagcagc agcctctttt aggaggcatc 180  
 ttctgaacta gattaaggca gctgttaaat ctgatgtgat ttggtttatt atccaactaa 240  
 ctccatctg ttatcactg agaaagccca gactcccan gacnggtacg gattgtgggc 300  
 atanaaggat tgggtgaagc tggcgttgtg gt 332

<210> 132  
 <211> 322  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc feature  
 <222> (1)...(322)  
 <223> n = A,T,C or G

<400> 132  
 acttttgcca tttgtatat ataaacaatc ttgggacatt ctctgaaaa ctagggtgcc 60  
 agtggctaag agaactcgat ttcaagcaat tctgaaagga aaaccagcat gacacagaat 120  
 ctcaaatccc caaacagggg ctctgtggga aaaatgaggg aggcctttg tatctcggtg 180  
 tttagcaagt taaaatgaan atgacaggaa aggccttatt atcaacaaag agaagagttg 240  
 ggaatgctct aaaaaaact ttgtagaga aaataggaat gctnaatcct aggggaagcct 300  
 gtaacaatct acaattgtgc ca 322

<210> 133  
 <211> 278  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc feature  
 <222> (1)...(278)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 133

acaagccttc	acaagtttaa	ctaaattggg	attaatcttt	ctgtanttat	ctgcataatt	60
cttgtttttc	tttccatctg	gctcctgggt	tgacaatttg	tggaaacaac	tctattgcta	120
ctatttaaaa	aaaatcacia	atctttccct	ttaagctatg	ttnaattcaa	actattcctg	180
ctattcctgt	tttgcaaaag	aaattatatt	tttcaaaaata	tgntattttg	tttgatgggt	240
cccacgaac	actaataaaa	accacagaga	ccagcctg			278

&lt;210&gt; 134

&lt;211&gt; 121

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(121)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 134

gtttanaaaa	cttgtttatg	tccatagagg	aaagaatggt	aaactttgta	ttttaaaaaa	60
tgattctctg	aggttaaact	tggttttcaa	atgttatatt	tacttgtatt	ttgcttttgg	120
t						121

&lt;210&gt; 135

&lt;211&gt; 350

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(350)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 135

acttanaacc	atgcctagca	catcagaatc	cctcaaaaga	catcagtata	atcctatacc	60
atancaagtg	gtgactggtt	aagcgtgcga	caaaggtcag	ctggcacatt	acttgtgtgc	120
aaacttgata	cttttgttct	aagtaggaac	tagtatatac	tnoctaggan	tggtactcca	180
gggtgcccc	caactctcgc	agcgcctcct	ctgtgccagn	ccctgnaagg	aactttcgct	240
ccacctcaat	caagccctgg	gccatgctac	ctgcaattgg	ctgaacaac	gtttgctgag	300
ttcccaagga	tgcaaaagct	ggtgctcaac	tccctggggcg	tcaactcagt		350

&lt;210&gt; 136

&lt;211&gt; 399

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(399)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 136

tgtaccctga	agacgacaga	agttgcatgg	caggagacagg	gcaggggccga	ggccagggtt	60
gctgtgattg	tatccgaata	ntcctcgtga	gaaaagataa	tgagatgacg	tgagcagcct	120
cgagacttgt	gtctgccttc	aanaagccag	acaggaaggc	cctgcctgcc	ttggctctga	180
cctggcgccc	agccagccag	ccacaggtgg	gcttcttctt	tttgtgggga	caacnccaag	240
aaaactgcag	aggcccaggg	tcaggtgtga	gtgggtangt	gaccataaaa	caccaggtgc	300



```
tcccaggaac ccgggcaaaag gccatcccca cctacagcca gcatgccac tggcgtgatg 360
gggtcaagang gatgaagcag ccagntgttc tgtctgtgt 399
```

```
<210> 137
<211> 165
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(165)
<223> n = A,T,C or G
```

```
<400> 137
actggtgtgg tnggggggtga tgcctgtgtg anaagtgtan gtgacttcac gatggtgtgt 60
ggaggaagtgt tgtgaacgta gggatgtaga ngttttggcc gtgctaaatg agcttcggga 120
ttggtgtgtc ccaactgtgtg tcaactgtcat tgggtgggtt cctgt 165
```

```
<210> 138
<211> 338
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(338)
<223> n = A,T,C or G
```

```
<400> 138
actcactgga atgccacatt cacaacagaa tcagaggctc gtgaaaacat taatggctcc 60
ttaactcttc cagtaagaat cagggacttg aaatggaaac gttaacagcc acatgcccaa 120
tgcctggcag tctcccatgc cttccacagt gaaagggctt gaaaaaatc acatccaatg 180
tcactgtgtt ccagccacac caaaaggtgc ttgggggtga gggctggggg catananggt 240
cangcctcag gaagcctcaa gttccattca gctttgccac tgtacattcc ccatntttaa 300
aaaaactgat gccttttttt tttttttttg taaaattc 338
```

```
<210> 139
<211> 382
<212> DNA
<213> Homo sapien
```

```
<400> 139
gggaatcttg gtttttggea tctggtttgc ctatagccga ggccactttg acagaacaaa 60
gaaagggact tcagtaaga agtggtattt cagccagcct agtcccgaat gtgaaggaga 120
attcaaacag acctcgtcat tctggtgtgt agcctggctg gctcaccgcc tatcatctgc 180
atttgcttta ctcaagtgct accggactct ggcccctgat gtctgtagtt tcacaggatg 240
ccttatttgt cttctacacc ccacagggcc cctcacttct tcggatgtgt ttttaataat 300
gtcagctatg tgccccatcc tcttccatgc cctccctccc tttcctacca ctgctgagtg 360
gcttggaact tgtttaaagt gt 382
```

```
<210> 140
<211> 200
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(200)
```

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 140

accaaancctt	ctttctgttg	tgtnngattt	tactataggg	gttnngcttn	ttctaaanat	60
acttttcatt	taacancttt	tgtaaagtgt	caggctgcac	tttgcctcat	anaattattg	120
ttttcacatt	tcaacttgta	tggtttgtc	tottanagca	ttggtgaaat	cacatatattt	180
atattcagca	taaaggagaa					200

&lt;210&gt; 141

&lt;211&gt; 335

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(35)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 141

actttatttt	caaaacactc	atatgttgca	aaaaacacat	agaaaaataa	agtttggtgg	60
gggtgctgac	taaacctcaa	gtcacagact	tttatgtgac	agattggagc	aggggtttgt	120
atgcatgtag	agaacccaaa	ctaatttatt	aaacaggata	gaaacaggct	gtctgggtga	180
aatgggtctg	agaaccatcc	aattcacctg	tcagatgctg	atanactagc	tcctcagatg	240
ttttctacac	agttcagaga	tnngttaatg	actanttcca	atgggggaaa	agcaagatgg	300
attcacaac	caagtaattt	taaacaaaga	cactt			335

&lt;210&gt; 142

&lt;211&gt; 459

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(459)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 142

accagggttaa	tattgccaca	tatatccttt	ccaattgcgg	gctaaacaga	cgtgtattta	60
gggttggttta	aagacaaacc	agcttaatat	caagagaaat	tgtgaccttt	catggagtat	120
ctgatggaga	aaacactgag	ttttgacaaa	tcttatttta	ttcagatagc	agctcgtatc	180
cacatggtcc	aacaacactc	aaataataaa	tcaaataatna	tcagatgtta	agagattggtc	240
ttcaaacatc	atagccaatg	atgccccgct	tgctataat	ctctccgaca	taaaaccaca	300
tcaacacctc	agtggccacc	aaaccattca	gcacagcttc	cttaactgtg	agctgtttga	360
agctaccagt	ctgagcacta	ttgactatnt	ttttcangct	ctgaatagct	ctagggatct	420
cagcanggg	gggaggaacc	agctcaacct	tgccgtant			459

&lt;210&gt; 143

&lt;211&gt; 140

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 143

acatttcctt	ccaccaagtc	aggactcctg	gcttctgtgg	gagttcttat	cacctgaggg	60
aaatccaaac	agtcctctct	agaaaggaat	agtgtaacca	acccaccaca	tctcctgtag	120
accatccgac	ttccctgtgt					140

&lt;210&gt; 144

&lt;211&gt; 164

<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(164)  
<223> n = A,T,C or G

<400> 144  
acttcagtaa caacatataca taacaacatt aagtgtatat tgccatcttt gtcattttct 60  
atctatacca ctctcccttc tgaatacaan aatcactanc caatcacctta taaaaatttg 120  
aggcaattaa tccattattg ttttcaataa ggaaaaaaag atgt 164

<210> 145  
<211> 303  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(303)  
<223> n = A,T,C or G

<400> 145  
acgtgagacca tccaactttg tatttgtaat ggcaaacatc cagnagcaat tcctaaacaa 60  
actggagggt atttatacc aattatccca ttcatataca tgccctcttc ctccaggctat 120  
gcaggagacg tatcataagt cgccccaagc atccagatag taccattttg ataaacttca 180  
gtaggggagt ccatccaagt gacaggtcta atcaaggag gaaatggaa ataaagccag 240  
tagtaaaatn ttgcttagct gaacagcca caaaagact accgcctgg tgattaccat 300  
caa 303

<210> 146  
<211> 327  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(327)  
<223> n = A,T,C or G

<400> 146  
actgcaagctc aattagaagt ggtctctgac ttctcatcanc ttctccctgg gctccatgac 60  
actggcctgg agtgactcat tgctctggtt ggttgagaga gctcccttgc caacaggcct 120  
ccaagtcagg gctgggattt gtttcccttc cacattctag caacaatatg ctggccactt 180  
cctgaacagg gaggggtgga ggagccagca tggaaacaagc tgccactttc taaagtacgc 240  
agacttgccc ctgggcctgt cacacctact gatgaccttc tgtgcctgca ggaatggaatg 300  
taggggtgag ctgtgtgact ctatggt 327

<210> 147  
<211> 173  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(173)  
<223> n = A,T,C or G

<400> 147  
 acattgtttt tttagataa agcattgana gagctctcct taactgtaca caatggaagg 60  
 actggaacac ataccacat cttgttctg agggataatt ttctgataaa gtcttgctgt 120  
 atattcaagc acatatgtta tatattatc agttccatgt ttagcgcta gtt 173

<210> 148  
 <211> 477  
 <212> DNA  
 <213> Homo sapien  
 <220>  
 <221> misc\_feature  
 <222> (1)...(477)  
 <223> n = A,T,C or G

<400> 148  
 acaaccactt tatctcatcg aatttttaac ccaaaactcac tcaactgtgcc tttctatcct 60  
 atgggatata ttatttgatg ctccatttca tcacacatat atgaataata cactcatact 120  
 gcctactac ctgctgcaat aatcacattc ccttctgtgc ctgaccctga agcattggg 180  
 gtggtcctag tggccatcag tccangcctg caccttgagc ccttgagctc cattgctcac 240  
 nccanccac ctacccgaac ccatcctctt acacagctac ctcttgctc tctaaaccca 300  
 tagattatnt ccaatttcag tcaattaaagt tactattaac actctaccgc acatgtccag 360  
 caccactggt aagccttctc cagccaacac acacacacac acacacatat 420  
 ccaggccagc gctacctcat cttcacaaac acccctttaa ttaccatgct atggtgg 477

<210> 149  
 <211> 207  
 <212> DNA  
 <213> Homo sapien

<400> 149  
 acagttgtat tataatatca agaaataaac ttgcaatgag agcatttaag agggaagaac 60  
 taacgtattt tagagagcca aggaaggttt ctgtggggag tgggatgtaa ggtggggcct 120  
 gatgataaat aagagtcagc caggtaagtg ggtggtgtgg tatgggcaca gtgaagaaca 180  
 tttcaggcag agggaacagc agtgaaa 207

<210> 150  
 <211> 111  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(111)  
 <223> n = A,T,C or G

<400> 150  
 accctgattt cattgtgct ctgatggaaa cccaactatc taatttagct aaaacatggg 60  
 cacttaaatg tggtcagtgt ttggacttgt taactantgg catctttggg t 111

<210> 151  
 <211> 196  
 <212> DNA  
 <213> Homo sapien

<400> 151  
 agcgcgagc gtcatttga acattccaga tacctatcat tactcgatgc tgttgataac 60

agcaagatgg	ctttgaactc	agggtcacca	ccagctattg	gaccttacta	tgaaaaccat	120
ggataccaac	cggaataccc	ctatcccgca	cagcccactg	tggtcccccac	tgctctacgag	180
gtgcattccg	ctcagt					196

<210> 152  
 <211> 132  
 <212> DNA  
 <213> Homo sapien

<400> 152						
acagcacttt	cacatgtaag	aaggggagaaa	ttctctaaatg	tagggagaaag	ataacagAAC	60
cttccctttt	tcattctagt	gtggaaacct	gatgctttat	gttgacagga	atagaaccag	120
gagggagtgt	gt					132

<210> 153  
 <211> 285  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(285)  
 <223> n = A,T,C or G

<400> 153						
acaanaccac	nganaggcca	ctggccgtgg	tgtcatggcc	tccaaacatg	aaagtgtcag	60
cttctgctct	tatgtctctca	tctgacaact	ctttaccatt	tttatcctcg	ctcagcagga	120
gcacatcaat	aaagtccaaa	gtcttggact	tggccttggc	ttggaggaag	tcatacaacac	180
cctggctagt	gaggggtcgg	cgccgctcct	ggatgacggc	atctgtgaag	tcgtgcacca	240
gtctgcaggc	cctgtggaag	cgccgtccac	acggagtnag	gaatt		285

<210> 154  
 <211> 333  
 <212> DNA  
 <213> Homo sapien

<400> 154						
accacagtc	tggtgggcca	gggcttcag	accctttctg	tgaaaagcca	tattatcacc	60
accccaaat	tttctctaaa	tatctttaac	tgaagggtgc	agcctcttga	ctgcaagac	120
cctaagccgg	ttacacagct	aactcccaact	ggccctgatt	tgtgaaattg	ctgctgctg	180
attggcacag	gagtcgaagg	tgttcagctc	ccctcctcgg	tggaaacaga	ctctgatttg	240
agtttcacaa	attctcgggc	caactcgtca	ttgctcctct	gaaataaaat	ccggagaatg	300
gtcaggcctg	tctcatccat	atggatcttc	cgg			333

<210> 155  
 <211> 308  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(308)  
 <223> n = A,T,C or G

<400> 155						
actggaata	ataaaaccca	catcacagtg	ttgtgtcaaa	gatcatcagg	gcattgagtg	60
gaaagtgtct	tggaagactg	aaagtgccta	acacatgatc	gatgattttt	gttataatat	120
tgaatcacg	gtgcatacaa	actctcctgc	ctgctcctcc	tgggccccag	ccccagcccc	180

atcacagctc	actgctctgt	tcatccaggc	ccagcatgta	gtggctgatt	cttcttggct	240
gcttttagcc	tccanaagtt	tctctgaagc	caaccaaac	tctangtga	aggcatgctg	300
gccctggt						308

<210> 156  
 <211> 295  
 <212> DNA  
 <213> Homo sapien

<400> 156						
acctgtgctg	gtgcttggaa	catattagga	actcaaaata	tgagatgata	acagtgccta	60
ttattgatta	ctgagagaa	tgtagacat	ttagttgaag	attttctaca	caggaactga	120
gaataggaga	ttatgtttgg	cctcatatt	ctctoctatc	ctccttgcc	cattctatgt	180
ctaataatatt	ctcaatcaaa	taaggttagc	ataatcagga	aatcgaccaa	ataccaatat	240
aaaaccagat	gtctatcctt	aagattttca	aatagaaaac	aaattaacag	actat	295

<210> 157  
 <211> 126  
 <212> DNA  
 <213> Homo sapien

<400> 157						
acaagtttaa	atagtgtgt	cactgtgcat	gtgctgaaat	gtgaaatcca	ccacatttct	60
gaagagcaaa	acaaattctg	tcatgtaate	tctatcttgg	gtcgtgggta	tatctgtccc	120
cttagt						126

<210> 158  
 <211> 442  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(442)  
 <223> n = A,T,C or G

<400> 158						
accacatggt	cttggaaaca	ccatcctta	atacagatgat	ttttctgtcg	tgtgaaaatg	60
aanccagcag	gtgcgcccta	gtcagtcctt	ccttccagag	aaaaagagat	ttgagaaaatg	120
gcttggtgta	ttcaccatta	atttctctcc	ccaaactctc	tgagtcttcc	cttaatatatt	180
ctggtgtgtc	tgaccaaaagc	aggtcatggt	ttgttgagca	tttgggatcc	cagtgaaagta	240
natgtttgta	gccttgcata	cttagccctt	cccacgcaca	aacggagtg	cagagtgtgtg	300
ccaacccctg	tttccacagc	cacgtagaca	gattcacagt	gcggaattct	ggaagctgga	360
nacagacggg	ctcttttgag	agccgggact	ctgagangga	catgagggcc	tctgcctctg	420
tgttcattct	ctgatgtcct	gt				442

<210> 159  
 <211> 498  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(498)  
 <223> n = A,T,C or G

<400> 159						
acttccaggt	aacgttgttg	tttccgttga	gcttgaactg	atgggtgacg	ttgtaggttc	60

```

tccaacaaga actgaggttg cagagcgggt agggaagagt gctgttccag ttgcacctgg 120
gctcgtgttg actgttgttg attcctcact acggcccaag gttgtggaac tggcnaaaag 180
gtgtgttgtt gganttgagc tcgggcggct gtggttagtt gtgggctctt caacaggggc 240
tgctgtgggt cggggangtg aangtgttgt gtcacttgag cttggccagc tctggaaagt 300
antanattct tcctgaagac cagcgcttgt ggagctggca ngggtcantg ttgtgtgtaa 360
cgaaccagtg ctgctgtggg tgggtgtana tcctccacaa agcctgaagt tatggtgtcn 420
tcaggtaana atgtgttttc agtgtccctg ggcngctgtg gaaggttgta natgtgcacc 480
aagggaataa gctgtgtg

```

&lt;210&gt; 160

&lt;211&gt; 380

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(380)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 160

```

acctgcatcc agcttccctg ccaaaactcac aaggagacat caacctctag acagggaaac 60
agcttcagga tacttccagg agacagagcc accagcagca aaacaaatat tcccatgcct 120
ggagcatggc atagaggagc ctganaaatg tggggctcga ggaagccatt tgagtctggc 180
cactagacat ctcatcagcc acttgtgtga agagatgcc ccatgaccca gatgcctctc 240
ccacccttac ctccatctca cacacttgag ctttccactc tgtataatto taacatcctg 300
gagaaaaatg gcagtttgac cgaacctgtt cacaacggta gaggctgatt tctaacgaaa 360
cttgtagaat gaagcctgga

```

&lt;210&gt; 161

&lt;211&gt; 114

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 161

```

actccacatc cctcttgagc aggcgggtgt cgttcaaggt gtatttggcc ttgcctgtca 60
cactgtccac tggccctcta tccacttggt gcttaatccc tgaagagac atgt 114

```

&lt;210&gt; 162

&lt;211&gt; 177

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 162

```

actttctgaa tcgaatcaaa tgatacttag ttagtgggta atatcctcat atatatcaaa 60
gttttactac tctgataatt ttgtaacca ggtaaccaga acatccagtc atacagcttt 120
tggtgatata taacttgcca ataaccagc ctggtgatac ataaaactac tcaactgt 177

```

&lt;210&gt; 163

&lt;211&gt; 137

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(137)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 163

```

catttataca gacagcgctg aagacattca cgacaaaaac gcgaaattct atcccgtgac      60
canagaaggg agctacggct actcctacat cctggcgctg gtggccttcg cctgcacctt      120
catcagcggc atgatgt                                     137

```

```

<210> 164
<211> 469
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = A,T,C or G

```

```

<400> 164
cttatcacaa tgaatgttct cctgggcagc gttgtgatct ttgccacett cgtgacttta      60
tgcaatgcat catgctattt cataccta atgaggagttc caggagattc aaccaggaaa      120
tgcatggatc tcaaaggaaa caaacaccca ataaactcgg agtggcgagc tgacaactgt      180
gagacatgca cttgctaaga aacagaaatt tcatgttgca cccttgtttc tacacctgtg      240
ggttatgaca aagacaactg ccaagaatc ttcaagaagg aggactgcaa gtatatcgtg      300
gtggagaaga aggacccaaa aaagacctgt tctgtcagtg aatggataat ctaatgtgct      360
tctagtgggc acagggctcc caggccaggc ctcattctcc tctggcctct aatagtcatt      420
gattgtgtag ccatgcctat cagtaaaaag atntttgagc aaacacctt                    469

```

```

<210> 165
<211> 195
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(195)
<223> n = A,T,C or G

```

```

<400> 165
acagtttttt atanatatcg acattgccgg cacttgtgtt cagtttcata aagctgggtg      60
atccgctgtc atccactatt ccttggctag agtaaaaatt attcttatag cccatgtccc      120
tgaggccgc ccgcccgtag ttctcgttcc agtcgtcttg gcacacaggg tgccaggact      180
tcctctgaga tgagt                                     195

```

```

<210> 166
<211> 383
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

```

```

<400> 166
acatcttagt agtgtggcac atcagggggc catcagggtc acagtcactc atagcctcgc      60
cgaggctcga gtccacacca ccggtgtagg tgtgtcctat cttgggcttg gcgcccacct      120
ttggagaagg gatatgctgc acacacatgt ccacaaagcc tgtgaactcg ccaaagaatt      180
tttgacagac agcctgagca aggggcggat gtcacagctc agctcctcct tcgtcaggtg      240
gatgccaaac tcgtctangg tccgtgggaa gctgtgtccc acntcaccta caactctggc      300
gangatctta taaagaggct ccnagataaa ctccaagaaa cttctctcgg agctgctagt      360
nggggccttt ttggtgaact ttc                                     383

```



<210> 167  
 <211> 247  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(247)  
 <223> n = A,T,C or G

<400> 167  
 acagagccag actctggcca taaatgaanc agagattaag actaaacccc aagtcganat 60  
 tggagcagaa actggagcaa gaagtgggcc tggggctgaa gtagagacca aggccactgc 120  
 tatanccata cacagagcca actctcaggg caaggcnaat gttggggcag anccagagac 180  
 tcaatctgan tccaaagtgg tggctggaac actggtcatg acanaggcag tgactctgac 240  
 tgangtc 247

<210> 168  
 <211> 273  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(273)  
 <223> n = A,T,C or G

<400> 168  
 acttctaagt ttcttagaag tggaaggatt gtantcatcc tgaaaatggg tttacttcaa 60  
 aatccctcan ccttgttctt caenactgtc tatactgana gtgtcatgtt tccacaaagg 120  
 gctgacacct gaggctgnat ttctactcat ccttgagaag cctttccag taggggtggc 180  
 aattcccaac ttcttgcca caagcttccc agggcttctc ccttgaaaaa ctccagcttg 240  
 agtcccatgat acactcatgg gctgcccttg gca 273

<210> 169  
 <211> 431  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(431)  
 <223> n = A,T,C or G

<400> 169  
 acagccttgg cttcccca aa ctccacagtc tcagtcgaga aagatcatct tccagcagtc 60  
 agctcagacc aggtcacaag gatgtgacat caacagtttc tggtttcaga acaggttcta 120  
 ctactgtcaa atgaccccc atacttcctc aaaggctgtg gtaagttttg cacaggtgag 180  
 ggcagcagaa agggggtant tactgatgga caccatcttc tctgtatact ccacactgac 240  
 ctggccattg gcaaaagccc ctaccacaaa aacaatagga tcactgctgg gcaccagctc 300  
 acgcacatca ctgacaaccc ggatggaaaa agaantgcca actttcatac atccaactgg 360  
 aagtgatct gatactggat tcttaattac cttcaaaagc tctctggggc catcagctgc 420  
 tcgaacactg a 431

<210> 170  
 <211> 266  
 <212> DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(266)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 170

acctgtgggc	tgggtgttta	tgcctgtgcc	ggctgctgaa	agggagtcca	gaggtggagc	60
tcaaggagct	ctgcaggcat	tttccaanc	ctctccanag	canagggagc	aacctacact	120
ccccgttaga	aagacaccag	attggagtcc	tggggggggg	agttgggggtg	ggcatttgat	180
gtatacttgt	cacctgaatg	aangagccag	agaggaanga	gacgaanatg	anattggcct	240
tcaaaactag	gggtctggca	ggtgga				266

&lt;210&gt; 171

&lt;211&gt; 1248

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(1248)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 171

ggcagccaaa	tcataaacgg	cgaggactgc	agcccgact	cgcagccctg	gcaggcgga	60
ctggtcatgg	aaaacgaatt	gttctgctcg	ggcgctctgg	tgcctccgca	gtgggtgctg	120
tcagccgcac	actgtttcca	gaagtgaagt	cagagctcct	acaccatcgg	gctggccctg	180
cacagtcttg	aggccagaca	agagccaggg	agccagatgg	tggaggccag	cctctccgta	240
cggcacccag	agtacaacag	acccttgctc	gctaacgacc	tcctgtctat	caagttggac	300
gaatccgtgt	ccgagtctga	caccatccgg	agcatcacga	ttgcttcgca	gtgccctacc	360
gcggggaaat	cttgccctgt	ttctggctgg	ggctgtgctg	cgaacggcag	aatgcctacc	420
gtgctgcagt	gcgtgaacgt	gtcgggtggg	tctgaggagg	tctgcagtaa	gctctatgac	480
ccgctgtacc	acccagcat	gttctgcgcc	ggcggagggg	aagaccagaa	ggactcctgc	540
aacggtgact	ctggggggcc	cctgatctgc	aacgggtact	tgcagggcct	tgtgtctttc	600
ggaaaaagccc	cgtgtggcca	agttggcggt	ccagggtgtc	acaccaacct	ctgcaaattc	660
actgagtggg	tagagaaaac	cgctccaggcc	agttaaactc	ggggactggg	aaccatgaa	720
attgaccccc	aaatcacatc	tgccgaagga	attcaggaat	atctgttccc	agccccctct	780
ccctcaggcc	caggagttcca	ggccccagcc	ccctcctccc	tcaaaccaag	ggtaacagatc	840
cccagccccct	cctccctcag	accagaggat	ccagaccccc	cagccccctc	tcctccagac	900
ccaggagtcc	agccccctct	ccctcagacc	caggagtcca	gacccccccag	ccctcctccc	960
ctcagaccga	gggtgccagg	cccccaaccc	ctctccctcc	agactcagag	gtccaagccc	1020
ccaacccntc	attccccaga	cccagaggtc	cagggtccca	ccctcctccc	ctcagaccga	1080
gcggtccaat	gccacctaga	ctntccctgt	acacagtgcc	cccttgtggc	acgttgaccc	1140
aaccttaccg	gttggttttt	cttttttngt	cccttcccc	tagatccaga	aataaagttt	1200
aagagaaagg	caaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa		1248

&lt;210&gt; 172

&lt;211&gt; 159

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (1)...(159)

&lt;223&gt; Xaa = Any Amino Acid

&lt;400&gt; 172

Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro  
 1 5 10 15  
 Leu Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser  
 20 25 30  
 Glu Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr  
 35 40 45  
 Ala Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly  
 50 55 60  
 Arg Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu  
 65 70 75 80  
 Glu Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe  
 85 90 95  
 Cys Ala Gly Gly Gly Gln Xaa Gln Xaa Asp Ser Cys Asn Gly Asp Ser  
 100 105 110  
 Gly Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe  
 115 120 125  
 Gly Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn  
 130 135 140  
 Leu Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser  
 145 150 155

&lt;210&gt; 173

&lt;211&gt; 1265

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(1265)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 173

ggcagccgc actgcagcc ctggcaggcg gcaactggtca tggaaaacga attgtttctgc 60  
 tcgggcgtcc tgggtgcattc gcaagtgggtg ctgtcagccg cacactgttt ccagaactcc 120  
 tacaccatcg ggctgggcct gcacagtcctt gaggccgacc aagagccagg gagccagatg 180  
 gtggaggcca gccctccgtt acggcaccca gagtacaaca gacccttgct cgctaacgac 240  
 ctcatgtcca tcaagtgtga cgaatccgtg tccgagtcgt acaccatccg gagcatcagc 300  
 attgtctcgc agtgccctac cgcggggaac tcttgcctcg tttctggctg gggctcgtcg 360  
 gcgaacgggtg agctcacggg tgtgtgtctg cctcttcaa ggaggtcctc tgcccagtcg 420  
 cgggggctga cccagagctc tgcgtccca gcaagaatgcc taccgtgctg cagtgcgtga 480  
 acgtgtcggg ggtgtctga gaggctctgca gtaagctcta tgaccgcgtg taccaccca 540  
 gcatgttctg cgcggcgga gggcaagacc agaaggactc ctgcaacggt gactctgggg 600  
 ggccctgat ctgcaacggg tacttgcagg gccttgtgtc tttcggaata gcccctgtg 660  
 gccaaagtgg cgtgccaggt gtctacacca acctctgcaa attcaactgag tggatagaga 720  
 aaaccgtcca gccacgttaa ctctggggac tgggaaccca tgaattgac ccccaaatc 780  
 atctgcggga aggaattcag gaatatctgt tccagccccc cctccctca ggcgccaggag 840  
 tccaggccccc cagcccctcc tccctcaaac caagggtaca gatcccccag cctctcctcc 900  
 tcagaccagg gagtccagac ccccagcccc ctctccctc agaccacaga gtccagcccc 960  
 tccctcctca gaccacagg tccagacccc ccagcccctc ctccctcaga cccagggggt 1020  
 gagggcccga acccctctc ctccagagtc agaggtccaa gcccccaccc cctcgttccc 1080  
 cagaccacga ggttnnagtc ccagcccctc ttcctcaga cccagnngtc caatgccacc 1140  
 gatatttttc ctgnacacag tgcccccttg tgganngttg acccaacctt accagttggt 1200  
 ttttcaattt tngtcccttt cccctagatc cagaaataaa gtttaagaga ngngcaaaaa 1260  
 aaaaa

&lt;210&gt; 174

&lt;211&gt; 1459

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(1459)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 174

```

gggcagcgcc acactgtttc cagaagtgcg tgcagagctc ctacaccatc gggctggggc 60
tgcacagctc tgaggccgac caagagccag ggcagccagat ggtggaggcc agcctctccg 120
tacggccacc agagtacaac agacccttgc tgcctaacga cctcatgtct atcaagttgg 180
acgaatccgt gtccgagctc gacaccatcc ggagcatcag cattgtctcg cagtgcctca 240
ccgcggggaa ctcttgcttc gtttctggct ggggtctgct ggcgaacggt gactcacgg 300
gtgtgtgtct gccctcttca aggaggtcct ctgccagctc gcgggggctg acccagagct 360
ctgcgtccca ggcagaatgc ctaccgtgct gcagtgcgtg aacgtgtcgg tgggtgtctga 420
ngaggctcgc antaagctct atgacccgct gtaccacccc ancatgttct gcgccggcgg 480
aggccaagac cagaaggact cctgcaacgt gagagagggg aaaggggagg gcaggcgact 540
cagggaaggg tgggaagggg ggagacagag acacacaggg ccgcatggcg agatgcagag 600
atggagagac acacagggag acagtgcaca ctagagagag aaactgagag aaacagagaa 660
ataaacacag gaataaaggg aagcaaaagg agagagaana agaaacagac atggggaggc 720
agaaacacac acacatagaa atgcagtga ccttccaaca gcatggggcc tgaggcggt 780
gacctccacc caatagaaaa tctctttata acttttgact cccccaaaa ctgactagaa 840
atagcctact gtgacgggg agccttacca ataacataaa tagtcgatt atgcatacgt 900
tttatgact catgatatac cttgttggg attttttgat atttctaagc tacacagttc 960
gtctgtgaat ttttttaaat tgttgcaact ctcttaaaat ttttctgat tgtttataga 1020
aaaaatccaa gtataagtg acttgtgcat tcaaacccag gttgttcaag ggtcaactgt 1080
gtaccacag ggaacagtg acacagattc atagaggtga aacacagaag gaaacaggaa 1140
aaatcaagac tctacaagg ggtgggcag ggtggtcat gcctgtaac ccagcacttt 1200
gggagcgag cagcaggagat cacttgaggt aaggagtcca agaccagcct ggccaaaagt 1260
gtgaaatcct gtctgtacta aaaatacaaa agttagctgg atatggtgc aggcgcctgt 1320
aatcccgact acttggggag ctgaggcagg agaattgctt gaatatggga ggcagaggtt 1380
gaagtgcgtt gagatcacac cactatactc cagctggggc aacagagtaa gactctgtct 1440
caaaaaaaaa aaaaaaaaaa

```

&lt;210&gt; 175

&lt;211&gt; 1167

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(1167)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 175

```

ggcgagccct ggcaggcgcc actggtcatg gaaaacgaat tgttctgctc gggcgctcgt 60
gtgcactccg agtgggtgct gtcagccgca cactgtttcc agaactccta cccactcggg 120
ctgggctcct acagctctga ggcgcaccaa ggcagatggg gccagccagc gaggccagc 180
ctctccgcat ggcaccagga gtacaacaga ctctgtctcg ctaacagact catgtctcat 240
aaagttgacg aatccgtgtc cgagtctgac accatccgga gcatcagcat tgccttcgag 300
tgccctaccg cggggaactc ttgacctgtn tctggctggg gctctgtggc gaacggcaga 360
atgcctaccg tctgcactcg cgtgaacgtg tctggtggtg ctgaggangt ctgcagtaag 420
ctctatgacc cgctgtacca cccagcagat ttctgcgcgg gcggagggga agaccagaag 480
gactctgcca acggtgaact tggggggccc ctgatctgca acgggtactt gcaggcgctt 540
gtgtctttcg gaaggacccc gttggcccaa cttggcgtgc cagggttcta caccacctc 600
tgcaaatgca ctgaattgat agagaaaacc gtccagncca gttaaactct ggcactggga 660
accatgaaa ttgaccccca aatacatcct gcgggaangaa ttacagaaat tctgttccca 720
gcccctctc cctcaggccc aggagtcagg gcccccagcc cctcctcctc caaaccagg 780

```

```

gtacagatcc ccagccccc ctcctcaga ccaggagtc cagaccccc agccctctnt 840
centcagacc caggagtcca gccctctctc cntcagacgc aggaggtccag acccccacagc 900
cctcntctccg tcagaccacg ggggtgcaggc ccccaacccc tcntcntca gagtccagg 960
tccaagcccc caaccctctg tccccagac ccagaggtnc aggtcccagc cctctctccc 1020
tcagaccacg cgttccaatg ccacctagan tntcctgta cacagtgcgc ccttggggca 1080
ngttgaccga accttaccag ttggtttttc attttttgtc cctttccctc agatccagaa 1140
ataaagtnta agagaagcgc aaaaaaaa

```

&lt;210&gt; 176

&lt;211&gt; 205

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (1)...(205)

&lt;223&gt; Xaa = Any Amino Acid

&lt;400&gt; 176

```

Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp
1 5 10 15
Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu
20 25 30
Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val
35 40 45
Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Leu Leu Leu
50 55 60
Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser
65 70 75 80
Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly
85 90 95
Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Ala Asn Gly Arg Met
100 105 110
Pro Thr Val Leu His Cys Val Asn Val Ser Val Val Ser Glu Xaa Val
115 120 125
Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys Ala
130 135 140
Gly Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly Gly
145 150 155 160
Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly Lys
165 170 175
Ala Pro Cys Gly Gln Leu Gly Val Pro Gly Val Tyr Thr Asn Leu Cys
180 185 190
Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Xaa Ser
195 200 205

```

&lt;210&gt; 177

&lt;211&gt; 1119

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 177

```

gcgcactcgc agccctggca ggcggcactg gtcattggaaa acgaattgtt ctgctcgggc 60
gtcctgggtgc atccgcagtg ggtgctgtca gccgcacact gtttcagaa ctcctacacc 120
atcgggctgg gctgcacacg tcttgaggcc gaccaagagc caggagacca gatggtggag 180
gccagcctct cgtacggcca cccagagtac aacagaccct tgctcgctaa cgacctcatg 240
ctcatcaagt tggacgaatc cgtgtccgag tctgacacca tccggagcat cagcattgct 300
tcgcagtgcc ctaccgcggg gaactcttgc ctcgtttctg gctggggtct gctggcgaaac 360

```

```

gatgctgtga ttgccatcca gtcccagact gtgggaggct gggagtgtga gaagctttcc 420
caaccctggc agggttgtac catttcggca acttccagtg caaggacgtc ctgctgcac 480
ctcactgggt gctcactact gctcactgca tcacccgga cactgtgac aactagccag 540
caccatagtt ctccgaagtc agactatcat gattactgtg ttgactgtgc tgtctattgt 600
actaacatg ccgatgttta ggtgaaatta gcgtcacttg gccccaacca tcttggtatc 660
cagttatcct cactgaattg agatttcctg cttcagtgtc agccattccc acataatttc 720
tgacctacag aggtgaggga tcatatagct cttcaaggat gctgtgactc ccctcacaaa 780
ttcattttct ctgtttgtag gaaagtgcg ccctctggag cctccagggt tgggtgtgca 840
ggtcacaatg atgaatgtat gatcgtgttc ccattaccca aagcctttaa atccctcatg 900
ctcagtaaac cagggcaggt ctgacatttc ttcatttagt gtatgctgtc cactcatgca 960
accacctcag gactcctgga ttctctgctc agttgagctc gtgcatgtgc cctccttggtg 1020
gaggtgaggg agagggccca tggttcaatg ggatctgtgc agttgttaaca cattaggtgc 1080
ttaataaaca gaagctgtga tgttaaaaaa aaaaaaaa 1119

```

&lt;210&gt; 178

&lt;211&gt; 164

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (1)...(164)

&lt;223&gt; Xaa = Any Amino Acid

&lt;400&gt; 178

```

Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp
  1          5          10          15
Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu
      20          25          30
Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val
      35          40          45
Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Leu
      50          55          60
Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser
      65          70          75
Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly
      85          90          95
Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Asp Ala Val
      100          105          110
Ile Ala Ile Gln Ser Xaa Thr Val Gly Gly Trp Glu Cys Glu Lys Leu
      115          120          125
Ser Gln Pro Trp Gln Gly Cys Thr Ile Ser Ala Thr Ser Ser Ala Arg
      130          135          140
Thr Ser Cys Cys Ile Leu Thr Gly Cys Ser Leu Leu Leu Thr Ala Ser
      145          150          155          160
Pro Gly Thr Leu

```

&lt;210&gt; 179

&lt;211&gt; 250

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 179

```

ctggagtgc ttggtgtttc aagccctgc aggaagcaga atgcaccttc tgaggcacct 60
ccagctgcc ccggccgggg gatgcgaggc tcggagcacc cttgcccggc tgtgattgct 120
gccaggcact gttcatctca gcttttctgt ccctttgctc ccggcaagcg cttctgctga 180
aagttcatat ctggagcctg atgtcttaac gaataaaggc ccatgctcc acccgaaaaa 240

```

```

aaaaaaaaa                                     250

<210> 180
<211> 202
<212> DNA
<213> Homo sapien

<400> 180
actagtccag tgtggtggaa ttccattgtg ttgggcccac cacaatggct accttaaca      60
tcaccagac ccgcgccctg ccgtgcccc acgtgctgc taacgacagt atgatgctta      120
ctctgctact cggaaactat ttttatgtaa ttaatgtatg cttttctgtt tataaatgcc      180
tgatttaaaa aaaaaaaaaa aa                                     202

<210> 181
<211> 558
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(558)
<223> n = A,T,C or G

<400> 181
tccytttktg naggtttkkg agacmcock agacctwaan ctgtgtcaca gacttcyngg      60
aatgttttag cagtgcctagt aatttcytcg taatgattct gttattactt tccnattct      120
ttattctctt ttcttctgaa gattaatgaa gttgaaaatt gaggtggata aatacaaaaa      180
ggtagtgtga tagataaagt atctaagtcg agatgaaagt gtgttatata tatccattca      240
aaattatgca agtttagtaat tactcagggt taactaaatt accttaatat gctgttgtaac      300
ctactctgtt ccttggctag aaaaaattat aaacaggact ttgttagttt gggaagocaa      360
attgataata ttctatgttc taaaagttag gctatacata aattattaag aaatatggaw      420
ttttattccc aggaatatgg kgttcatttt atgaattatta cscrggatag awgtwtgagt      480
aaaaycagtt ttggtwaata ygtwaatatg tcmtaataaa acaakgcttt gacttatttc      540
caaaaaaaaa aaaaaaaaaa                                     558

<210> 182
<211> 479
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

<400> 182
acagggttk grggatgcta agscccerga rwtggtttga tccaaccctg gcttwttttc      60
agaggggaaa atggggccta gaagttacag mscatytagy tgggtgcgmg gcacccctgg      120
cctcacacag astcccgagt agctgggact acaggcacac agtcactgaa gcaggccctg      180
ttwgaatttc agtttggcac ctccaaactta aacattcttc atatgtgatg tctcttagtca      240
ctaaggttaa actttccacc ccagaaaaag caacttagat aaaatcttag agtactttca      300
tactmttcta agtcctcttc cagcctcact kkgagtcctm cytggggggt gataggaant      360
ntctcttggc tttctcaata aartctctat ycatctcatg tttattttgg taoccatara      420
awgtgtgara aaattaaaaa gttctgggty mactttaaaa araaaaaaaa aaaaaaaaaa      479

<210> 183
<211> 384
<212> DNA

```

&lt;213&gt; Homo sapien

&lt;400&gt; 183

aggcgggagc	agaagctaaa	gccaaagccc	aagaagagtg	gcagtgccag	cactggtgcc	60
agtaccagta	ccaataacag	tgccagtgcc	agtgccagca	ccagtgggtg	cttcagtgtc	120
ggtgccagcc	tgaccgccac	tctcacattt	gggtctcttc	ctggccttgg	tggagctcgt	180
gccagaccca	gtggcagctc	tggtgcctgt	ggtttctcct	acaagtgaga	ttttagatat	240
tgtaatacct	gccagtcttt	ctctccaagc	caggggtgat	cctcagaaac	ctactcaaca	300
cagcactcta	ggcagccact	atcaatcaat	tgaagttgac	actctgcatt	aratctattt	360
gccatttcaa	aaaaaaaaaa	aaaa				384

&lt;210&gt; 184

&lt;211&gt; 496

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(496)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 184

accgaattgg	gaccgctggc	ttataagcga	tcatgtyynt	ccrgtatcac	ctcaacgagc	60
aggagagatcg	agtctatatcg	ctgaagaaaat	ttgaccgat	gggacaacag	acctgctcag	120
cccatctctgc	tgggttctcc	ccagatgaca	aatactctsg	acaccgaatc	accatcaaga	180
aacgcttcaa	ggtgctcatg	accagcaaac	cgcgccctgt	ccctcgaggg	tcctttaaac	240
tgatgtcttt	ttctgccaact	gttacccctc	ggagactcgc	taaccaaact	cttcgggactg	300
tgagccctga	tgctctttttg	ccagcccatc	tctttggcat	ccagtctctc	gtggcgattg	360
attatgcttg	tgtgaggcaa	tcatggtggc	atcacccata	aagggaacac	atttgacttt	420
tttttctcat	attttaaat	actacmagaw	tattwmagaw	waatatgawt	gaaaaactst	480
taaaaaaaaa	aaaaaa					496

&lt;210&gt; 185

&lt;211&gt; 384

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 185

gctggtagcc	tatggcgkcg	cccacggagg	ggctcctgag	gccacggrac	agtgacttcc	60
caagtatcgt	gcgcsgcgtc	ttctaccgtc	cctacctgca	gatcttcggg	cagattcccc	120
aggagagcat	ggacgtggcc	ctcatggagc	acagcaactg	ytgctcggag	ccggctctct	180
gggcacaccc	tcctggggcc	caggcgggca	cctgcgtctc	ccagtatgcc	aactggctgg	240
tggtgctgct	cctcgtctac	ttcctgctcg	tggccaaact	cctgctgtgc	aacttgccta	300
ttgccatggt	cagttacaca	ttcggcaaag	tacaggggca	cagcgatctc	tactgggaag	360
gcgacgcgtt	accgcctcat	ccgg				384

&lt;210&gt; 186

&lt;211&gt; 577

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(577)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 186

gagtttagctc	ctccacaacc	ttgatgaggt	cgtctgcagt	ggcctctcgc	ttcataccgc	60
-------------	------------	------------	------------	------------	------------	----



tnccatcgtc	atactgtagg	tttgccacca	cytcctggca	tcttggggcg	gcntaatatt	120
ccaggaaact	ctcaatcaag	tcaccgtoga	tgaacacctg	gggctgggtc	tctcttcocg	180
tccgtgtgaa	aggatctccc	agaaggagtg	ctcgatcttc	cccacacttt	tgtatgacttt	240
attgagtcga	ttctgcattg	ccagcaggag	gttgtaccag	ctctctgaca	gtgaggtcac	300
cagccctatc	atgccgttga	mcgtgccgaa	garccaccgag	ccttgtgtgg	gggkkgaaat	360
ctcaccocaga	ttctgcattg	ccagagagcc	gtggcctaaa	acattgacaa	actcgccocag	420
gtggaaaaag	amcamctcct	ggargtgctn	gcgcctcttc	gtcmgttggt	ggcagcgctw	480
tccctttgac	acacaaaacaa	gttaaaggca	ttttcagccc	ccagaaantt	gtcatcatcc	540
aagatntcgc	acagcactna	tccagttggg	attaaat			577

&lt;210&gt; 187

&lt;211&gt; 534

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(534)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 187

aacatcttcc	tgtataatgc	tgtgtaatat	cgatccgatn	ttgtctggtg	agaatycatw	60
actkggaaaa	gmaacattaa	agcctggaca	ctggatttaa	aattcacaaat	atgcaacact	120
ttaaacagtg	tgtcaatctg	ctcccyynac	tttgtatcca	ccagctctggg	aakaagggtg	180
tgcocatttc	acacctgtta	aaaggggcgt	aagcattttt	gattcaacat	cttttttttt	240
cgacaagtc	cgaaaaaagc	aaaagtaaac	agttatyaat	ttgttagoca	attcaacttc	300
ttcatgggac	agagccatyt	gatttaaaaa	gcaaatgca	taatatgtag	cttygggagc	360
tgtattttga	gcggaagagt	agcctttcta	cttcaccaga	cacaactccc	tttcatattg	420
ggatgttnac	naaagtwtat	tctctwacag	atgggatgct	tttgtggcaa	ttctgttctg	480
aggatctccc	agttttattt	ccacttgca	aagaaggcgt	tttcttcctc	aggc	534

&lt;210&gt; 188

&lt;211&gt; 761

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(761)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 188

agaaaccagt	atctctnaaa	acaacctctc	ataccttggt	gacctaattt	tgtgtgcgtg	60
tgtgtgtgag	cgcatattat	atagacagcg	acatcttttt	tacttttgta	aaagcttatg	120
cctctttgtg	atctatatct	gtgaaagttt	taatgatctg	ccataatgct	ttggggacct	180
ttgtctctgt	tgtaaatggg	actagagaaa	acaactatnt	tatgagtaaa	tctagtntgt	240
tttatctgac	atgaaggaaa	tttccagatn	acaacactna	caaaactctc	ctkgackarg	300
ggggacaaag	aaaagcaaaa	ctgamcataa	raaacaataw	ccgtgtgaga	arttgcataa	360
acagaaatwr	ggtagtatat	tgaarnacag	catcattaaa	xmgttwktt	wtctcccttt	420
gcaaaaaaca	tgtacngact	tcccggttag	taatgccaag	ttgttttttt	tatnatnaaa	480
cttgcctctc	attacatggt	tnaaagtggt	gtgggtggcc	aaaaatttga	aatgatggaa	540
ctgactgata	aagctgtgta	aataagcagt	gtgcctaaca	agcaacacag	taatgttgac	600
atgcttaatt	cacaaatgct	aatttcatat	taaatgtttg	ctaaaatata	cttgaactaa	660
ttttctctgt	tttccagagc	tgagatntta	gattttatgt	agtaatnaagt	gaaaaantac	720
gaaaaataata	acattgaaag	aaaananaaa	aaanaaaaaa	a		761

&lt;210&gt; 189

&lt;211&gt; 482

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(482)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 189

tttttttttt	tttgcgatn	ctactatttt	attgcaggan	gtgggggtgt	atgcaccgca	60
caccggggct	atnagaagca	agaaggaagg	agggagggca	cagccccttg	ctgagcaaca	120
aaagcccgctg	ctgcctctct	tgtctgtctc	ctgggtcagg	cacatgggga	gaccttcccc	180
aaggcagggg	ccaccagctc	aggggtggga	atacaggggg	tgggagtgtg	gcataaaga	240
tgataggcac	aggccaccgc	gtacagaccc	ctcggctcct	gacaggtnga	tttcgaccag	300
gtcattgtgc	ctgtcccagg	cacagcggtan	atctggaaaa	gacagaatgc	tttccttttc	360
aaatttggtc	ngtcatngaa	ngggcanttt	tccaanttng	gctnggtctt	ggtaacncttg	420
gttcggccca	gtccncgtc	caaaaantat	tcaccncnct	ccnaattgct	tgcnngnccc	480
cc						482

&lt;210&gt; 190

&lt;211&gt; 471

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(471)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 190

tttttttttt	ttttaaaca	gtttttcaca	acaaaattta	ttagaagaat	agtggttttg	60
aaaactctcg	catccagtg	gaactaccat	acaccacatt	acagctngga	atgtnctcca	120
aatgtctcgt	caaagtatac	aatggaacca	ttcaatctta	cacatgcacg	aaagaacaa	180
cgcttttgac	atacaatgca	caaaaaaaaa	aggggggggg	gaccacatgg	attaaaaatt	240
taagtactca	tcacatacat	taagacacag	ttctagtcca	gtcnaaaaatc	agaactgcmt	300
tgaaaaaatt	catgtatgca	atccaaacca	agaacttnat	tgtgtgatcat	gantnctcta	360
ctacatcnac	cttgatcatt	gccaggaaacn	aaaagttnaa	ancacnngt	acaaaaanaa	420
tctgtaattn	anttcaacct	ccgtacngaa	aaatntntnt	tatacactcc	c	471

&lt;210&gt; 191

&lt;211&gt; 402

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(402)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 191

gagggattga	aggtctgttc	tastgtcggm	ctgttcagcc	accaactcta	acaagttgct	60
gtcttccact	cactgtctgt	aagcttttta	accagacwgy	tatcttcaata	aatagaacaa	120
attcttcacc	agtcacatct	tctaggacct	ttttggattc	agttagtata	agctcttcca	180
cttcctttgt	taagacttca	tctggtaaag	tcttaagttt	tgtagaagg	aattyaattg	240
ctcgttctct	aacaatgtcc	tctccttgaa	gtatttggct	gaacacccca	cctaagtctc	300
ctttgtgcac	ccatttttaa	tatacttaac	agggcattgk	tnactaggt	taaatctgc	360
aagagtcate	tgtctgcata	agttgcgtta	gtatatctgc	ca		402

<210> 192  
 <211> 601  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(601)  
 <223> n = A,T,C or G

<400> 192  
 gagctcggat ccaataatct ttgtctgagg gcagcacaca tatncaatgc catggnnaact 60  
 ggtctacccc acatggggagc agcatgccgt agmtatataa ggtcattccc tgagtccagac 120  
 atgcytyttt gaytaccgtg tgccaagtgc ttggtgattct yaacacacyt ccatcccggt 180  
 cttttgtgga aaaactggca cttktctgga actagcarga catcaactac aaattcaccc 240  
 acgagacact tgaagggtgt aacaagcgga ytccttgatt gctttttgtc cctccggcac 300  
 cagttgtcaa tactaaccog ctggtttgcc tccatcacat ttgtgatctg tagctctgga 360  
 tacatctcct gacagtactg aagaacttct tctttgtttt caaaagcarg tcttggtgcc 420  
 tgttgatca ggttcocatt tcccagtcyg aatgttcaca tggcatattt wacttccac 480  
 aaaacattgc gatttgaggc tcagcaacag caaatcctgt tccggcattg gctgcaagag 540  
 cctcgatgta gccggccagc gccaaaggcag gcgcccgtgag cccaccacgc agcagaagca 600  
 g 601

<210> 193  
 <211> 608  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(608)  
 <223> n = A,T,C or G

<400> 193  
 atacagccca natcccacca cgaagatgcg cttgttgact gagaacctga tgcggctcact 60  
 ggctccgctg tagcccccgc gactctccac ctgctggaag cggttgatgc tgcactcytt 120  
 cccaacgcag gcagmagcgg gscgggtcaa tgaactccay tcgtggcttg ggtkgacgg 180  
 tkaagtgcag gaagagggct accacctcgc ggtccaccag gatgcccgac tgtgcccggc 240  
 ctgcagcgaa actcctcgat ggctcatgagc gggaagcgaa tgaggcccag ggccttgccc 300  
 agaaccttcc gctgttctc ttggtgcacc tgcagctgct gccgctgaca ctgcgctcgc 360  
 gaccagcgga caaacggcrt tgaacagcgc cacctcacgg atgccagtg tgtgcgcctc 420  
 caggammgsc accagcgtgt ccaggtcaat gtcggtgaag ccctccgagg gtratggcgt 480  
 ctgcagtggt ttgtctgagt ttctccaggc acaggctggc cagctgcggt tcacgaaga 540  
 gtcgcgcctg cgtgagcagc atgaaggcgt tgtcgctgcg cagttctctt tcaggaaact 600  
 cagcact 608

<210> 194  
 <211> 392  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(392)  
 <223> n = A,T,C or G

<400> 194  
 gaacggctgg accttgctc gcattgtgct tgctggcagg gaataccttg gcaagcagyt 60

```

ccagtcgcag cagcccccaga ccgctgccgc ccgaagctaa gcctgcctct ggccttcccc 120
tccgcctcaa tgcagaacca gtagtgggag cactgtgttt agagtttaaga gtgaacaactg 180
tttgatttta ctgggaatt tctctgttta tatagctttt cccaatgcta atttccaaac 240
aacaacaaca aaataacatg ttgcctgtt aagttgtata aaagtagggt attctgtatt 300
taagaataat attactgtta cataactgc ttgcaatttc tgtatttatt gktncstgg 360
aaataaatat agttattaaa ggtgtcant cc 392

```

```

<210> 195
<211> 502
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(502)
<223> n = A,T,C or G

```

```

<400> 195
ccsttkgagg ggtkaggkyc cagtttyccga gtggaagaaa caggccaggga gaagtgcgtg 60
ccgagctgag gcagatgttc ccacagtgac cccagagcc stgggstata gtytctgacc 120
cctcncaagg aaagaccacs ttctggggac atgggctgga gggcaggacc tagaggcacc 180
aagggaagcg ccatttccgg ggstgttccc cgaggaggaa gggaaagggc tctgtgtgcc 240
ccccagagag aagaggccct gagtctctgg atcagacacc ccttcacgtg tatccccaca 300
caaatgcaag ctacccaagg tcccctctca gtccccttcc stacaccctg amcggccact 360
gscscacacc caccagagcg accgcaccog ccatggggar tgtgctcaag gartcgcnng 420
gcarctgtga catctngtcc cagaaggggg cagaatctcc aatagangga ctgarcmstt 480
gctnanaaaa aaaaaaaaaa aa 502

```

```

<210> 196
<211> 665
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(665)
<223> n = A,T,C or G

```

```

<400> 196
ggttacttgg ttctattgcc accacttagt gtagtgcatt tagaaccatt ttgtctgtct 60
cctctggaag ccttgccgag agcggacttt gtaattgttg gagaataact gctgaatttt 120
wagctgtttk gagtgtatts gcaccaatgc acccacaact tcaatatgaa aacyawttga 180
actwatttat tatctttgtga aaagtataac aatgaaaatt ttgttcatac gtattktatc 240
aagtatgatg aaaagcaawa gatataatatt tttttattat gttaaattat gattgcccatt 300
attaactcggc aaaatgtgga gtgtatgttc ttttcacagt aatatatgcc ttttgttaact 360
tcacttggtt attttattgt aaatgarta caaaaattctt aatttaagar aatggatatg 420
watatttatt tcattaattt ctcttctkgt ttacgtwaat ttgaaaaaga wtgcagtatt 480
tcttgacaga aatcgactct gatgctgtgg accacatcc ctatgagttt 540
ttcttagaat gtataaaggt tbtgagcccat cnaacttcaa agaaaaaaat gaccacatcc 600
tttgcaatca ggctgaaatg tggcatgctn ttctaattcc aactttataa actagcaaan 660
aagtg 665

```

```

<210> 197
<211> 492
<212> DNA
<213> Homo sapien

```

```

<220>

```

<221> misc\_feature  
 <222> (1)...(492)  
 <223> n = A,T,C or G

<400> 197  
 tttntttttt ttttttttgc aggaaggatt ccatattatg tggatgcatt ttcacaatat 60  
 atgtttattg gagcgatcca ttatcagtga aaagatataa gtgtttataa natttttagg 120  
 aaggcagatt caacagaacat gctngtcngc ttgcagtttt acctcgtana gatnacagag 180  
 aattatagtc naaccagtaa acnaggaatt tacttttcaa aagattataa ccaactgaa 240  
 caaaattcta ccttgaacct tactccatcc aaatattgga ataanaagta gcagtgtatc 300  
 attcttttct gaacttttga ttttctagaa aaatattgaa tagtgatcag gaagagctct 360  
 tgttcaaaag tacaacnaag caatgttccc ttaccatagg ccttaattca aactttgatc 420  
 catttcactc ccatcacggg agtcaatgct acctgggaca ctgtatttt gtctatnctg 480  
 ancntgctt aa 492

<210> 198  
 <211> 478  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(478)  
 <223> n = A,T,C or G

<400> 198  
 tttnttttgn atttcantct gtannaanta ttttcattat gttattana aaaatatnaa 60  
 tgnntccacn acaaatcatn ttacntnagt aagaggccan ctacattgta caacatacac 120  
 tgagtatttt ttgaaaagga caagttttaa gtanacncat attgccganc atancacatt 180  
 tatacatggt ttgattgata tttagcacag canaaactga gtgagttacc agaanaaat 240  
 natatatgtc aatcngattt aagatatacaa acagatccta tggtagacatan catcntgtag 300  
 gagttgtggt tttatgttta ctgaaagtca atgcagttcc tgtacaaaaga gatggccgta 360  
 agcattctag taccttactc ccatggttaa gaatcgtaca cttatgttta catatgtnc 420  
 ggtgaagaat tgtgttaagt naanttatgg agaggtccan gagaaaaatt tgatncaa 478

<210> 199  
 <211> 482  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(482)  
 <223> n = A,T,C or G

<400> 199  
 agtgacttgt cctccaacaa aacccttga tcaagtttgt ggcactgaca atcagacct 60  
 tgcagtcttc tgcctcttat tgcctactaa atgcagactg gaggggacca aaagggggca 120  
 tcaactccag ctggtatttt ttggagocctg caaatctatt cctacttgta cggactttga 180  
 agtgattcag tttcctctac ggatgagaga ctggctcaag aatacctcta tgcagcttta 240  
 tgaagccnac tctgaacacg ctgggtatct nagatgagaa ncagagaaat aaagtcnaga 300  
 aaatttacct ggangaanaag aggccttngg ctggggacca tccattgaa ccttctctta 360  
 anggacttta agaanaaact accacatgtn tgtngtatcc tgggtgccng ccggttantg 420  
 aacntngacn ncacccttnt ggaatanant ctggacngcn tcttgaactt gctcctctgc 480  
 ga 482

<210> 200  
 <211> 270

<212> DNA  
 <213> Homo sapien  
 <220>  
 <221> misc\_feature  
 <222> (1)...(270)  
 <223> n = A,T,C or G

<400> 200  
 cggccgcaag tgcaactcca gctggggccg tgcggacgaa gattctgcc aagtttggtc 60  
 cgactcgcac gacggcgccg cgcacagtcc caggtgcagc gcgggcgccct ggggtcttgc 120  
 aaggtcgagc tgacgcgcga gaggtcgtgt cactgccac gacctgaac ccgtcgggga 180  
 cagccggaac agagcccggt gaangcggga ggcctcgggg agccctcgg gaaggcgccg 240  
 ccgagagata cgcaggtgca ggtggccgcc 270

<210> 201  
 <211> 419  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(419)  
 <223> n = A,T,C or G

<400> 201  
 ttttttttt ttttgaatc tactgcgagc acagcaggtc agcaacaagt ttattttgca 60  
 gctagcaagg taacagggtt gggcatgggt acatgttcag gtcaacttcc tttgtcgtgg 120  
 ttgatttggt tgtctttatg gggcgggggt ggggtagggg aaancgaagc anaantaaca 180  
 tggagtgggt gcaccctccc tgtagaacct ggttaacnaa gcttggggca gttcaccctgg 240  
 tctgtgacgc tcattttctt gacatcaatg ttattagaag tcaggatata ttttagagag 300  
 tccactgtnt ctggaggagg attagggttt cttgccanaa tccaancaaa atccacntga 360  
 aaaagtggga tgatncangt acngaatacc ganggcatan ttctcatant cggttggcca 419

<210> 202  
 <211> 509  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(509)  
 <223> n = A,T,C or G

<400> 202  
 tttntttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
 tggcactttaa tccattttta ttcaaaaatg totacaaant ttnaatncnc cattatacng 120  
 gtnattttnc aaaatctaaa nnttattcaa atntnagcca aantccttac ncaaatnnaa 180  
 taoncncaaa aatcaaaaaa atacntntct ttcagcaaac ttngttacat aaattaaaaa 240  
 aatataacg gctgggtggt tcaaaagtaca attatcttaa cactgcaaac atnttttnnaa 300  
 ggaactaaaa taaaaaaaaa cactnccgca aaggttaaag ggaacaacaa attcntttta 360  
 caacancnnc nattataaaa atcatatctc aaatcttagg ggaatatata cttcacacng 420  
 ggatcttaac ttttactnca ctttgtttat ttttttanaa ccatgtnttt gggcccaaca 480  
 caatggnaat nccnccnccn tggactagt 509

<210> 203  
 <211> 583  
 <212> DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(583)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 203

tttttttttt	ttttttttga	ccccctctt	ataaaaaaca	agttaccatt	ttattttact	60
tacacatatt	tattttataa	ttggtattag	atattcaaaa	ggcagctttt	aaaatcaaac	120
taaatggaaa	ctgccttaga	tacataattc	ttaggaaata	gcttaaaatc	tgctaaagt	180
gaaaatcttc	tctagctctt	ttgactgtaa	atttttgact	cttgtaaaac	atocaaattc	240
atttttcttg	tctttaaaat	tatctaattc	ttccattttt	tcctatttcc	aagtcaattt	300
gctctcttag	cctcatttcc	tagctcttat	ctactattag	taagtggctt	ttttcctaaa	360
agggaaaaaca	ggaagagana	atggcacaca	aaacaaacat	tttatattca	tatttctacc	420
tacgttaata	aaatagcatt	ttgtgaagcc	agctcaaaag	aaggcttaga	tccttttatg	480
tccatttttag	tcactaaaag	atatcnaaag	tgccagaatg	caaaagggtt	gtgaacattt	540
attcaaaagc	taataataaga	tatttcacat	actcatcttt	ctg		583

&lt;210&gt; 204

&lt;211&gt; 589

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(589)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 204

ttttttttnt	tttttttttt	ttttttntct	ttcttttttt	ttganaatga	ggatcgagtt	60
tttcactctc	tagatagggc	atgaagaaaa	ctcatctttc	cagcttttaa	atacaaatca	120
aatctcttat	gctatatcat	atttttaagt	aaactaatga	gtcactggct	tatcttctcc	180
tgaaggaaat	ctgttcattc	ttctcattca	tatagtata	tcaagtacta	ccttgcatat	240
tgaaggagtt	ttcttctcta	tttacacata	tatttccatg	tgaatttgta	tcaaaccttt	300
attttcatgc	aaactagaaa	ataatgtntt	cttttgcata	agagaagaga	acaatatnag	360
cattacaata	ctgctcaaat	tgtttgtaa	gnttatccat	tataattagt	tnngcaggag	420
ctaatacaaa	tcaacatttc	ngacnagcaa	taataaaaact	gaagtaccag	ttaaatatcc	480
aaaataatta	aagggaattt	tttagcctgg	gtataattag	ctaattcact	ttacaagcat	540
ttatnagaa	tgaattcaca	tgttattatt	ccttagccca	acacaatgy		589

&lt;210&gt; 205

&lt;211&gt; 545

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(545)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 205

tttttttttt	ttttttcagt	aataatcaga	acaatattta	tttttatatt	taaaattcat	60
agaaaagtgc	cttacattta	ataaaaagttt	gtttctcaaa	gtgatcagag	gaattagata	120
tngtcttgaa	caccaatatt	aatttgagga	aaatacacca	aaatacatta	agtaaatatt	180
ttaaagtcat	agagcttgta	agtgaaaaga	taaaatttga	cctcagaaac	ctctgacatt	240
aaaaatccac	tattagcaaa	taaattacta	tggaactctt	gctttaattt	tgtgatgaat	300
atgggggtgc	actggttaac	caacacattc	tgaaggatac	attacttagt	gatagattct	360

tatgtacttt	gctanatnac	gtggatatga	gttgacaagt	ttctctttct	tcaatctttt	420
aaggggcnga	ngaaatgag	aagaaaagaa	aaggattacg	catactgttc	tttctatnng	480
aaggattaga	tatgtttcct	ttgccaatat	taaaaaata	ataatgttta	ctactagtga	540
aacc						545

&lt;210&gt; 206

&lt;211&gt; 487

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(487)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 206

tttttttttt	tttttttagtc	aagtttctna	tttttattat	aattaaagtc	ttggtcattt	60
catttttagg	ctctgcaact	tacatatatt	aattaaagaa	acgttnttag	acaactgtna	120
caattttataa	atgtaagggtg	ccattattga	gtanatata	tcctccaaga	gtggatgtgt	180
cccttctccc	accaactaat	gaancagcaa	cattagttta	atttttattag	tagatnatac	240
actgtgcgaa	acgttaattc	tcttctccat	ccccatgtng	atattgtgta	tatgtgtgag	300
ttggtnagaa	tgcatcanca	atctnacaat	caacagcaag	atgaagctag	gcntgggctt	360
tcggtgaaaa	tagactgtgt	ctgtctgaat	caaatgatct	gacctatcct	cggtggcga	420
aactcttcga	accgcttcct	caaaaggcngc	tgccacattt	gtggcctctn	ttgcacttgt	480
ttcaaaa						487

&lt;210&gt; 207

&lt;211&gt; 332

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(332)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 207

tgaattggct	aaaagactgc	atttttanaa	ctagcaactc	ttattttctt	cctttaaaaa	60
tacatagcat	taaatcccaa	atcctattta	aagacotgac	agcttgagaa	ggtcactact	120
gcatttatag	gacctctctg	tggttctgct	gttaacnttg	aantctgaca	atccttgana	180
atctttgcag	gcagaggagg	taaaagggtat	tggtatttca	cgagggaana	acacagcgca	240
gaaatgaagg	ggccaggctt	actgagcttg	tcactgtgag	ggctcatggg	tgggacatgg	300
aaaagaaggc	agcctaggcc	ctggggagcc	ca			332

&lt;210&gt; 208

&lt;211&gt; 524

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(524)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 208

agggcggtgg	gcggaggggc	ttactgtttt	gtctcagtaa	caataaatac	aaaaagactg	60
gttgtgttcc	ggccccatcc	aaccacgaag	ttgatttctc	ttgtgtgcag	agtgaactgat	120
tttaaaaggac	atggagcttg	tcacaatgct	acaatgtcac	agtgtaaggg	gcacactcac	180



```

tcccgcgtga ttcacattta gcaaccaaca atagctcatg agtccatact tgtaaatact 240
tttggcagaa tacttnttga aacttgcaga tgataactaa gatccaagat atttcccaaa 300
gtaaatagaa gtgggtcata atattaatta cctgttcaca tcagcttcca tttaacaagtc 360
atgagccag acactgcat caaactaagc ccacttagac tcctcaccac cagtctgtcc 420
tgtatcaga caggaggctg tcaccttgac caaattctca ccagccaatc atctatccaa 480
aaaccattac ctgatccact tccggtaatg caccaccttg gtga 524

```

```

<210> 209
<211> 159
<212> DNA
<213> Homo sapien

```

```

<400> 209
gggtgaggaa atccagagtt gccatggaga aaattccagt gtcagcattc ttgctccttg 60
tggccctctc ctacactctg gccagagata ccacagtcaa acctggagcc aaaaaggaca 120
caaaggactc tcgacccaaa ctgcccacaga cccctctcca 159

```

```

<210> 210
<211> 256
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(256)
<223> n = A,T,C or G

```

```

<400> 210
actccctggc agacaaaggc agaggagaga gctctgttag ttctgtgttg ttgaactgcc 60
actgaatttc ttcccaattc gactattaca tgccanttga gggactaatg gaaaaacgta 120
tggggagatt ttanccaatt tangtntgta aatggggaga ctggggcagg cgggagagat 180
ttgcagggtg naaatgggan ggctggtttg ttanatgaac agggacatag gaggtaggca 240
ccagatgctc aaatca 256

```

```

<210> 211
<211> 264
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

```

```

<400> 211
acattgtttt tttagataa agcattgaga gagctctcct taacgtgaca caatgaagg 60
actggaacac ataccacat ctttgttctg agggataatt ttctgataaa gtcttgctgt 120
atatccaagc acatatgta tatattatc agttccatgt ttatagccca gtttaaggaga 180
ggggagatgc attcngaaag aggactgaaa gaaatctca agtngaaaaa cagaaaaaga 240
aaaaaaggag caaatgagaa gcct 264

```

```

<210> 212
<211> 328
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature

```

&lt;222&gt; (1)... (328)

&lt;223&gt; n = A, T, C or G

&lt;400&gt; 212

acccaaaaat	ccaatgctga	atatttggt	tcattattcc	canattcttt	gattgtcaaa	60
ggatttaagt	ttgtctcagc	ttgggcactt	gagttaggac	ctaaggatgc	cagccggcag	120
gtttatatat	gcagcaacaa	tattcaagcg	cgacaacagg	ttattgaact	tgcccgcag	180
ttnaatttca	ttcccatgga	cttgggatcc	ttatcatcag	ccagagagat	tgaaaattta	240
ccctacnac	tttttactct	ctgganaggg	ccagtggtgg	tagctataag	cttggccaca	300
tttttttttc	ctttattcct	ttgtcaga				328

&lt;210&gt; 213

&lt;211&gt; 250

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)... (250)

&lt;223&gt; n = A, T, C or G

&lt;400&gt; 213

acttatgagc	agagcgacat	atccnaggt	agactgaata	aaactgaatt	ctctccagtt	60
taaaagcttg	ctcactgaag	ggatagaagt	gactgccagg	agggaaagta	agccaaaggt	120
cttatgcca	aagganatat	acatttcaat	tctccaaact	tcttcctcat	tccaagagtt	180
ttcaatat	tttgcataact	gctgataanc	catgttaana	aacaaatata	tctctnacct	240
tctcatcggt						250

&lt;210&gt; 214

&lt;211&gt; 444

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)... (444)

&lt;223&gt; n = A, T, C or G

&lt;400&gt; 214

accagaatc	caatgctgaa	tatttggtt	cattattccc	agattctttg	attgtcaaa	60
gatttaagt	tgtctcagct	tgggcacttc	agttaggacc	taaggatgcc	agccggcagg	120
ttttatatat	cagcaacaat	attcaagcgc	gacaacaggt	tattgaactt	gcccgcaggt	180
tgaatttcac	tcccattgac	ttgggatcct	tatcatcagc	canagagatt	gaaaatttac	240
ccctacgact	ctttactctc	tggagagggc	cagtggtggt	agctataagc	ttggccacat	300
tttttttttc	tttattcctt	tgtagagagt	gcgattcatc	catatgctan	aaaccaacag	360
agtgactttt	acaaaattcc	tataganatt	gtgaataaaa	ccttacctat	agttgccatt	420
actttgctct	ccctaataata	cctc				444

&lt;210&gt; 215

&lt;211&gt; 366

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)... (366)

&lt;223&gt; n = A, T, C or G

```

<400> 215
acttatgagc agagcgacat atccaagtgt anactgaata aaactgaatt ctctccagtt      60
taaagcattg ctccactgaag ggatagaagt gactgccagg agggaaagta agccaaggct      120
cattatgccca aagganatat acatttcaat tctccaaact tcttctctat tccaagagtt      180
ttcaatattt gcatgaacct gctgataagc catgttgaga acaaatatc tctctgacct      240
tctcatcggt aagcagaggg tgtaggcaac atggaccata gcgaanaaaa aacttagtaa      300
tccaagctgt ttctacact gtaaccaggt ttccaaccaa ggtggaatc tctatactt      360
ggtgcc

```

<210> 216

<211> 260

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(260)

<223> n = A,T,C or G

```

<400> 216
ctgtataaac agaactccac tgcangaggg agggccgggc ,aggagaatc tccgcttctc      60
caagacaggg gcctaaaggag ggtctccaca ctgctnntaa gggctntnnc attttttat      120
taataaaaaa tnnaaaaggc ctcttctcaa cttttttccc ttnggctgga aaatttaaaa      180
atcaaaaatt tcttnaagtt ntcaagctat catatatact ntatcctgaa aaagcaacat      240
aattcttctc tccctccttt

```

<210> 217

<211> 262

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(262)

<223> n = A,T,C or G

```

<400> 217
acctacgtgg gtaagtttan aaatgttata atttcaggaa naggaacgca tataattgta      60
tcttgcctat aatttcttat ttaataaagg aaatagcaaa ttggggtggg ggaagtgtag      120
ggcattctac agtttgagca aaatgcaatt aaatgtggaa ggacagcact gaaaaatttt      180
atgaataatc tgtatgatta tatgtctcta gagtagattt ataattagcc acttacccta      240
atatctctca tgctgtgtaa gt

```

<210> 218

<211> 205

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(205)

<223> n = A,T,C or G

```

<400> 218
accaaggtgg tgcattaccg gaantggatc aangacacca tctgtggcaa cccctgagca      60
ccctatcaa ctcccttttg tagtaaaact ggaaccttgg aaatgaccag gccaaagactc      120
aggctctccc agttctactg acctttgtcc ttangtntna ngtcagggtg tctagggaaa      180
anaaatcagc agacacaggt gtaaa

```

<210> 219  
 <211> 114  
 <212> DNA  
 <213> Homo sapien

<400> 219  
 tactgttttg tctcagtaac aataaatata aaaagactgg ttgtgttccg gccccatcca 60  
 accacgaagt tgatttctct tgtgtgcaga gtgactgatt ttaaaggaca tgga 114

<210> 220  
 <211> 93  
 <212> DNA  
 <213> Homo sapien

<400> 220  
 actagccagc acaaaaggca gggtagcctg aattgcttcc tgctctttac atttctttta 60  
 aaataagcat ttagtgctca gtccctactg agt 93

<210> 221  
 <211> 167  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(167)  
 <223> n = A,T,C or G

<400> 221  
 actangtgca ggtgcgcaca aatatttgtc gatattccct tcattcttga ttccatgagg 60  
 tcttttgccc agcctgtggc tctactgtag taagtcttctg ctgatgagga gccagnatgc 120  
 cccccactac ctccctgac gctccccana aatcacccaa cctctgt 167

<210> 222  
 <211> 351  
 <212> DNA  
 <213> Homo sapien

<400> 222  
 agggcgtggt ggggagggcg gtactgacct cattagtagg aggatgcatt ctggcaccoc 60  
 gttcttcacc tgtcccccaa tccttaaaag gccatactgc ataaagtcac caacagatata 120  
 atgtttgctg aattaaaagga tggatgaaaa aaattaataa tgaatttttg cataatccaa 180  
 ttttctcttt tataatttcta gaagaagttt ctttgagcct attagatccc gggaaatcttt 240  
 taggtgagca tgatttagaga gctttaggtt tgcttttaca tatactctggc atatttgagt 300  
 ctegtatcaa aacaatagat tggtaaagggt ggtattattg tattgataag t 351

<210> 223  
 <211> 383  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(383)  
 <223> n = A,T,C or G

<400> 223

aaaacaacaa	aacaaaaaaa	acaattcttc	attcagaaaa	attatcttag	ggactgatat	60
tggtcaattat	ggtcaattta	atwrtttkt	ggggcatttc	cttacattgt	cttgacaaga	120
ttaaaatgtc	tgtgccaaaa	ttttgtattt	tatttgagaa	cttcttatca	aaagtaatgc	180
tgccaaagga	agtcctaaagga	attagtagtg	ttccmctcac	ttgtttggag	tgtgtctattc	240
taaaagattt	tgatttctctg	gaatgacaat	tatattttaa	ctttggtggg	ggaaanagtt	300
ataggaccac	agtccttcaat	tctgatactt	gtaaatataat	cttttattgc	actgtgtttg	360
accattaagc	tatatgttta	aaa				383

&lt;210&gt; 224

&lt;211&gt; 320

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 224

ccctgaagg	cttcttgta	gaaaatagta	cagttacaac	caataggaac	aacaaaaaga	60
aaaagtttg	gacattgtag	tagggagtgt	gtacccctta	ctcccatca	aaaaaaaaat	120
ggatactgg	ttaaaggata	raaggccaat	attttatcat	atgttctaaa	agagaaggaa	180
gagaaaatc	tactttctcr	aaatggagac	cottaaaggt	gotttgatac	tgaaggacac	240
aaatgtggcc	gtccatctc	ctttaragtt	gcattgactg	gacacggtaa	ctgtgtcagt	300
tttaractcm	gcattgtgac					320

&lt;210&gt; 225

&lt;211&gt; 1214

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 225

gaggactgca	gcccgcactc	gcagccctgg	caggcgccac	tggtcatgga	aaacgaattg	60
ttctgctcgg	gcgtcctggg	gcactcgcag	tggtgtctgt	cagccgcaca	ctgtttccag	120
aactcctaca	ccatcggggt	ggcctgcac	agtccttagg	ccgaccaaga	gccaggggagc	180
cagatgggtg	aggccagcct	ctcgtgacgg	caccagaggt	acaacagacc	cttgctcgct	240
aacgacctca	tgctcatcaa	gttgagcaga	tcctgtctcg	agtcgacac	catccggagc	300
atcagactgt	cttcgcagtg	ccctaccggg	gggaactctt	gcctcgtttc	tgctgtgggt	360
ctgctggcga	acggcagaat	gcctaccgtg	ctgcagtcg	tgaacgtgtc	gggtgtgtct	420
gaggaggtct	gcagtaagct	ctatgaccgg	ctgtaccacc	ccagcatgtt	ctgcgcgggc	480
ggaggggcag	accagaagga	ctcctgcaac	ggtagctctg	ggggggccct	gatctgcaac	540
gggtactctg	aggcccttgt	gtctttcgga	aaagccccgt	gtggccacgt	tgccgtgccca	600
ggtgtctaca	ccaactctct	caaattcaat	gagtgtagat	agaaaaacct	ccaggccagt	660
taactctggg	gactgggaac	ccatgaaatt	gacccccaaa	tacatcctgc	ggaagggaatt	720
caggaatatt	tgttcaccag	ccctcctccc	tcaggcccaa	gagtcagggc	ccccagcccc	780
tctcctctca	aaccaagggt	acagatcccc	agccctcctc	ccctcagacc	caggagtcca	840
gaccccccag	ccccctctcc	ctcagaccac	ggagtccagc	ccctcctccc	tcagaccagc	900
gagtcacagc	cccccaagcc	ctcctcctcc	agaccagggg	gtccaggccc	ccaacccctc	960
ctccctcaga	ctcagaggtc	caagccccca	accctcctct	ccccagacc	agaggtccag	1020
gtcccaagc	ctcctcctcc	agaccagcgg	gtccaatgcc	acctagactc	tcctgtgaca	1080
cagtgccccc	ttgtggcagc	ttgacccaac	cttaccagtt	ggtttttcat	tttttgtccc	1140
tttccctcgt	atccagaaat	aaagtctaag	agaagcgcaa	aaaaaaaaaa	aaaaaaaaaa	1200
aaaaaaaaaa	aaaa					1214

&lt;210&gt; 226

&lt;211&gt; 119

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 226

accagtatg	tgcagggaga	gggaacccca	tgtgacagcc	cactccacca	gggttcccaa	60
agaacctggc	ccagtcataa	tcattcatcc	tgacagtggc	aataatcacg	ataaccagt	119

<210> 227  
 <211> 818  
 <212> DNA  
 <213> Homo sapien

<400> 227

acaattcata	gggacgacca	atgaggacag	ggaatgaacc	cggtctctcc	ccagccctga	60
tttttgctac	atatggggtc	ccctttcatt	ctttgcaaaa	acaactgggtt	ttctgagaac	120
acggagcggt	cttagcacaa	tttgtgaaat	ctgtgtaraa	ccgggctttg	caggggagat	180
aattttctct	ctctggagga	aaggtggtga	ttgacaggca	gggagacagt	gacaaggcta	240
gagaaagcca	cgctcgccct	ttctgtgaacc	aggatggaa	ggcagacccc	tgaaaacgaa	300
gcttgctccc	ttccaatcag	ccacttctga	gaaccccct	ctaacttct	actggaaaag	360
agggcctct	caggagcagt	ccaagagttt	tcaaagataa	cgtgacaact	accatctaga	420
ggaaaggggt	caccctcagc	agagaagccg	agagcttaac	tctggtcgtt	tcagagaca	480
acctgctggc	tgtcttggga	tgcgcccaag	ctttgagagg	ccactacccc	atgaacttct	540
gccatccact	ggacatgaag	ctgaggacac	tgggcttcaa	cactgagttg	tcagtggagg	600
gacagggctc	gcctccaagc	cggtcgaggg	cagcaaccac	tctcctcccc	tttctcacgc	660
aaagccattc	ccacaatcc	agaccatacc	atgaagcaac	gagacccaaa	cagtttggct	720
caagaggata	tgaggactgt	ctcagcctgg	ctttggcggt	acaccatgca	cacacacaag	780
gtccactctc	aggttttcag	cctagatggg	agtcgtgt			818

<210> 228  
 <211> 744  
 <212> DNA  
 <213> Homo sapien

<400> 228

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gtcatgacgt	ttgacatacc	tttgaaacga	gcctcctcct	tggaaagtgg	aagaccgtgt	120
tcgtggccga	ccctggcctct	ccctggcctgt	ttcttaagat	gcggagtcc	atttcaatgg	180
tggaaaagt	ggcttcgtaa	aataagaag	cagtcactgt	ggaactacca	aatggcgaga	240
tgctcgtgtc	acattgggg	gctttgggat	aaaagattta	tgagccaaat	attctctggc	300
accagattct	aggccagttt	gttccactga	agcttttccc	acagcagtc	acctctgcag	360
gctggcagct	gaatggcttg	ccggtggctc	tgtaggcaaga	tcacactgag	atcgatgggt	420
gagaaggcta	ggatgcttgt	ctagtgttct	tagctgtcac	gttgctcct	tccaggttgg	480
ccagacgggt	ttggccactc	cccttctaaa	cacaggcgcc	ctcctgggtg	cagtgaccgc	540
ccgttgatag	cccttgcccca	ttccagcagt	cccgattatg	catttcaagt	ttggggtttg	600
ttcttttctg	taatgttctc	ctgtgtgttc	agctgtcttc	atttctctgg	ctaagcagca	660
ttgggagatg	tggaaccag	atccactcct	taagaaccag	tggcgaaaga	cactttcttt	720
cttcaactctg	aagtatgtgg	tggt				744

<210> 229  
 <211> 300  
 <212> DNA  
 <213> Homo sapien

<400> 229

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cattacacat	cgaaaataaa	gaaaggtggc	agacttgcgc	aaagccaggc	tgacatgtgc	120
tgacaggggt	ttgtttttta	attattattg	ttagaaaagt	caaccacagt	ccctgttaac	180
ttgtatgtga	cagccaactc	tgagaaggtc	ctatttttcc	acctgcagag	gatccagtct	240
cactaggctc	ctccttggcc	tcacactgga	gtctccgcga	gtgtgggtgc	ccactgacat	300

<210> 230  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

## &lt;400&gt; 230

cagcagaaca	aatacaaaata	tgaagagtgc	aaagatctca	taaaaatctat	gctgaggaat	60
gagcgacagt	tcaaggagga	gaagcttgca	gagcagctca	agcaagctga	ggagctcagg	120
caataataaag	tcctgggttca	cactcaggaa	cgagagctga	ccaggttaag	ggagaagtgt	180
cggaagagga	gagatgcctc	cctctcattg	aatgagctc	tccaggccct	cctcaactccg	240
gatgaaccgg	acaagtccca	ggggcaggac	ctccaagaaa	cagacctcgg	ccgcgaccac	300
g						301

&lt;210&gt; 231

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

## &lt;400&gt; 231

gcaagcagcg	tggcaaatct	ctgtcaggtc	agctccagag	aagccattag	tcatttttagc	60
caggaactcc	aagtccacat	ccttggcaac	tggggacttg	cgaggttag	ccttgaggat	120
ggcaacacgg	gacttctcat	caggaagtgg	gatgtagatg	agctgatcaa	gacggccagg	180
tctgaggatg	gcaggatcaa	tgatgtcagg	ccggttggtg	ccgcaatga	tgaacacatt	240
ttttttgtg	gacatgccat	ccatttctgt	caggatctgg	ttgatgactc	ggtcagcagc	300
c						301

&lt;210&gt; 232

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

## &lt;400&gt; 232

agtaggtatt	togtgagaag	ttcaacacca	aaactggaac	atagttctcc	ttcaagtgtt	60
ggcgacagcg	gggcttctgt	attctggaat	ataactttgt	gtaaaataac	agccacctat	120
agaagagtcc	atctgtctgt	aaggagagac	agagaactct	gggttcogtc	gtcctgtcca	180
cgtgctgtac	caagtctgtg	tgccagcctg	ttacctgttc	tcactgaaaa	tctggctaatt	240
gctcttgtgt	atcacttctg	attctgacaa	tcaactcaatc	aatggcctag	agcactgaat	300
g						301

&lt;210&gt; 233

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

## &lt;400&gt; 233

atgactgact	tcaccagtaag	gctctctaag	gggtaagtag	gaggatccac	aggattttag	60
atgctaaggc	ccagagagtc	gtttgatcca	accctcttat	tttcagaggg	gaaaatgggg	120
cctagaagtt	acagagcctc	tagctgggtc	gctggcaccc	ctggcctcac	acagactccc	180
gagtagctgg	gactacagcg	acacagtcac	tgaagcaggg	cctgttagca	attctatcgg	240
tacaaattaa	catgagatga	gtagagactt	tattgagaaa	gcaagagaaa	atcctatcaa	300
c						301

&lt;210&gt; 234

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

## &lt;400&gt; 234

aggtctctaca	catcgagact	catccatgat	tgatatgaat	ttaaaaatta	caagcaaaga	60
catttttatc	atcatgatgc	tttcttttgt	ttctcttttt	cgttttcttc	ttttcttttt	120
tcaattttcag	caacataactt	ctcaatttct	tcaggattta	aaactcttag	ggattgatct	180
cgctctaatg	cagcaagttc	aatgtttttg	ccacctgact	gaaccacttc	caggagtgc	240
ttgatccaca	gcttaatggt	cagatcatct	gcttcaatgg	cttgctcagt	atagttcttc	300

t

301

<210> 235  
 <211> 283  
 <212> DNA  
 <213> Homo sapien

<400> 235  
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 aattccctca tcttttaggg aatcatttac cagggtttga gaggattcag acagctcagg 120  
 tgccttcaact aatgtctctg aacttctgtc cctctttgtt catggatagt ccaataaata 180  
 atgttatctt tgaactgatg ctcataggag agaataaag aactctgagt gatatacaaa 240  
 ttagggattc aaagaaatat tagatttaag ctccactcgg tca 283

<210> 236  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 236  
 aggtccctcca ccaactgcct gaagcacggg taaaattggg aagaagtata gtgcagcata 60  
 aataactttta aatcgatcag atttccctaa cccacatgca atcttcttca ccagaagagg 120  
 tcggagcagc atcattaata ccaagcagaa tgcgtaatat ataaatacaa tgggtatatag 180  
 tgggtagacg gcttcactgag tacagtgtag tgtgggtatg taactctggc ttgggttgta 240  
 aagcatcgtg taccagtcag aaagcatcaa tactcgacat gaacgaatat aaagaacacc 300  
 a 301

<210> 237  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 237  
 cagtggtagt ggtggtggac gtggcggttg togtggtgcc ttttttgggt cccgtcacaa 60  
 actcaatttt tgttcgctcc tttttggcct ttcccaattt gtccatctca attttctggg 120  
 ccttggctaa tgcctcatag taggagtcct cagaccagcc atggggatca aacatatcct 180  
 cttggtagtt ggtgcaagc togtcaatgg cacagaatgg atcagcttct cgtaaatcta 240  
 ggttccgaa attcttctt cctttggata atgtagtcca tatccattcc ctctttatc 300  
 t 301

<210> 238  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 238  
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 gttcacagtt cagcccccctg ctccagaaaac caacggggcca gctaaggaga ggaggaggca 120  
 ccttgagact tccggagtcg aggtctctca gggttcccca gcccatcaat cattttctgc 180  
 accccctgcc tgggaagcag ctccctgggg ggtgggaatg ggtgactaga agggatttca 240  
 gtgtgggacc cagggtctgt tcttcacagt aggaggtgga agggatgact aatttcttta 300  
 t 301

<210> 239  
 <211> 239  
 <212> DNA  
 <213> Homo sapien



<400> 239  
 ataagcagct aggggaattct ttatttagta atgtcctaac ataaaagttc acataactgc 60  
 tctgtcaaa ccatgatact gagctttgtg acaaccaga aataactaag agaaggcaaa 120  
 cataatacct tagagatcaa gaaacattta cacagttcaa ctgtttaaaa atagctcaac 180  
 attcagccag tgagtagagt gtgaatgcca gcatacacag tatacaggtc cttcaggga 239

<210> 240

<211> 300

<212> DNA

<213> Homo sapien

<400> 240  
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 gggatctgcc ctccagtgga accttttaag gaagaagtgg gcccaagcta agttccacat 120  
 gctgggtgag ccagatgact tctgttccct ggtaactttc ttcaatgggg cgaatggggg 180  
 ctgccaggtt tttaaatca tgcttcatct tgaagcacac ggtcacttca ccctctcac 240  
 gctgtgggtg tactttgatg aaaataccca ctttgttggc ctttctgaag ctataatgct 300

<210> 241

<211> 301

<212> DNA

<213> Homo sapien

<400> 241  
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 cctctttgga ggaactcca gcagctatgt tgggtgtctt gagggaaatgc aacaaggctg 120  
 ctctccatg tatggaaaa ctgcaaacctg gactcaactg gaaggaagtgt ctgctccagc 180  
 tgtgaagaac cagcctgagg tgacagaaac ggaagcaaac aggaacagcc agtcttttct 240  
 tctctctct gtcatacgtt ctctctcaag catcctttgt tgtcaggggc ctaaaaggga 300  
 g 301

<210> 242

<211> 301

<212> DNA

<213> Homo sapien

<400> 242  
 ccgaggtcct gggatgcaac caatcactct gtttcacgtg acttttatca ccatacaatt 60  
 tgtggcattt cctcattttc tacattgtag aatcaagagt gtaataaat gtatatcgat 120  
 gtcctcaaga atatatcatt cttttttcac tagaaccat tcaaatata agtcaagaat 180  
 cttaatata acaaatatat caagcaaac ggaaggcaga ataactcca taatttagta 240  
 taagtaccca aagttttata aatcaaaagc ctaaatgata accattttta gaattoaat 300  
 a 301

<210> 243

<211> 301

<212> DNA

<213> Homo sapien

<400> 243  
 aggttaagtc cagtttgaag ctcaaaagat ctggtatgag cataggctca tcgacgacat 60  
 ggtggcccaa gctatgaaat cagagggagg ctcatctgg gctgtaaaa actatgatgt 120  
 tgacgtcgag tcgactctgt tggcccaagg gtatggctct ctcgcatga tgaccagcgt 180  
 gctggtttgt ccagatggca agacagtga agcagaggct gccacggga ctgtaaccog 240  
 tcaactaccg atgttccaga aaggacagga gacgtccacc aatccattg cttccatttt 300  
 t 301

<210> 244

<211> 300  
 <212> DNA  
 <213> Homo sapien

<400> 244

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gctgggttgc aagaatgaaa tgaatgattc tacagctagg acttaacctt gaaatggaaa    60
gtcatgcaat cccatttgca ggaatctgtc gtgcacatgc ctctgtagag agcagcattc    120
ccagggaacc ttgaaaacagt tgacactgta aggtgcttgc tccccaaagc acatcctaaa    180
aggtgttgta atgggtgaaa cgtcttctct ctttattgcc cctctctatt tatgtgaaca    240
actgtttgtc ttttgtgtat cttttttaaa ctgtaaagtt caattgtgaa aatgaatatc    300
```

<210> 245  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 245

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gtctgagtat ttaaaatggt attgaaatta tccccaacca atgttagaaa agaaagaggt    60
tatatactta gataaaaaat gaggtgaatt actatccatt gaaatcatgc tcttagaatt    120
aaggccagga gatattgtca ttaattgata ctccaggaca ctgaggtata gcagccctat    180
gttttcaag agcagagatg caattaaata ttgtttagca tcaaaaaggc cactcaatca    240
agctaataaa atgaaagacc taatttctaa agcaattctt tataatttac aaagttttaa    300
g                                                                    301
```

<210> 246  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 246

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ggctctgtct acaatgcctg cttcttgaaa gaagtcggca ctttctagaa tagctaaaaa    60
acctgggctt attttaaaga actatttgta gctcagattg gtttctctat ggctaaaaaa    120
agtgtctctt gtgaaaatta aataaaacag ttaattcaaa gccttgata atgttaccac    180
taacaatcat acctaaata ttttgaagta caaagtttga catgctctaa agtgacaacc    240
caaatgtgtc ttacaaaaca cgttcttaac aaggtatgct ttacactacc aatgcagaaa    300
c                                                                    301
```

<210> 247  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 247

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aggctccttg gcagggtctg tggatcagag ctcaaactgg agggaaaggc atttcgggta    60
gcctaagagg gcgactggcg gcagcacaac caaggaaggc aaggttggtt cccccacgct    120
gtgtctctgt ttacagtgcg acacacaatc ctcatgggaa caggatcacc catgcgctgc    180
ccttgatgat caaggttggg gcttaagtgg attaagggag gcaagttctg ggttctctgc    240
cttttcaaac caagaagta ggctctgtat ccctcctttt cctaactgat attctaaacta    300
a                                                                    301
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<210> 248  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 248

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aggctccttg agatgccatt tcagccgaag gactctctct ttccgaagta caccctcaact    60
attaggaaga ttcttagggg taatttttct gaggaaggag aactagccaa cttagaagtt    120
```

acagggaagaa agtggtttgg aagacagcca aagaaataaa agcagattaa attgtatcag 180  
 gtacattcca gctgtgtggc aactccataa aaacatttca gatttttaac ccgaatttag 240  
 ctaatgagac tggatttttg ttttttatgt tgtgtgtcgc agagctaaaa actcagttcc 300  
 c 301

<210> 249  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 249  
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 ccctgacgtc gctgtttctc ccgaaaaaac cgaccgacct ccgcgatctc cgtcccgccc 120  
 ccaggggagac acagcagtgga ctacagagctg gtgcgacact gtgcctcctc cctcaccgcc 180  
 ctactgtaag aattattttg aaaattaatt caaccatcct ttcagattct ggatggaaag 240  
 actgaatctt tgactcagaa ttgtttgctg aaaagaatga tgtgactttc ttagtcatct 300  
 a 301

<210> 250  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 250  
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 ctatctctta ttggtctgat aaacataatt atttctaaca ctagtctatt tccagtgtcc 120  
 cataagcaca tcagtacttt tctctggctg gaatagtaaa cttaaagtatg gtacatctac 180  
 ctaaaagact actagtggga ataatacata ctaatgaagt attacatgat ttaaagacta 240  
 caataaaacc aaacatgctt ataaccattaa gaaaaaacat aaagatacat gattgaaacc 300  
 a 301

<210> 251  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 251  
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 ggcagggggtc ctcaaaaatg ccaactgtcac tgccaggaaa tgcctctgag cagtacacct 180  
 ctattgggata aatgaaaagc ttcaagaagt cttcaggctc actctcttga aggcccgaa 240  
 cctctggagg ggggcagttg aatcccgact ccaggacgga tctgtcgaa aagatatcct 300  
 c 301

<210> 252  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 252  
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 ttttctacat tgtagaatca agagtgtaaa taaatgtata tcatgtctt caagaatata 120  
 tcatctcttt ttactagga acccattcaa aatataagtc aagaatctta atatcaaca 180  
 atatatcaag caaactggaa ggcagaataa ctaccataat ttagtataag taccacaaat 240  
 tttataaatc aaaagcccta atgataacca tttttagaat tcaatcatca ctgtagaatc 300  
 a 301

<210> 253

<211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 253  
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 caactaaaaa aaaaaataa agaaaaaatg tgctgcgttc tgaaaaataa ctcccttagct 120  
 tggctctgatt gttttcagac cttaaaatat aaacttgttt cacaagcttt aatccatgtg 180  
 gatttttttt cttagagAAC cacaAACat aaaggagca agtcggactg aatacctgtt 240  
 tccatagtgc ccacagggtg ttctcacaat ttctccata ggaaaaatgct ttttcccaag 300  
 g 301

<210> 254  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 254  
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 aacttgacca attcccttga agcgggtggg ttaaaccttg taaatgggaa caaaatcccc 120  
 ccaaatctct tcattctacc ctggtggact cctgactgta gaattttttg gttgaaacaa 180  
 gaaaaaataa aagctttgga cttttcaagg ttgcttaaca ggtactgaaa gactggcctc 240  
 acttaaacgt agccaggaaa agctgcagat ttattaatgg gtgtgttagt gtgcagtgc 300  
 t 301

<210> 255  
 <211> 302  
 <212> DNA  
 <213> Homo sapien

<400> 255  
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 attactgaaa tgtttctttt ctgaatataa atataaatat gtgcaaaagt tgacttggat 120  
 tgggattttt ttgagttctt caagcatctc ctaataccct caagggcctg agtagggggg 180  
 agggaaaagg actggagggtg gaatctttat aaaaaacaag agtgattgag gcagattgta 240  
 aacattatta aaaaaacaga acaaaacaaa aaaatagaga aaaaaccac ccaacacac 300  
 aa 302

<210> 256  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)... (301)  
 <223> n = A, T, C or G

<400> 256  
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 aggaccctcc tccccacacc tcaatccacc aaaccatcca taatgcaccc agataggccc 120  
 acccccaaaa gctcggacac cttagcacac cagttatgac caggacagac tcactctctat 180  
 aggcaaatag ctgctggcaa actggcatta cctggtttgt ggggatgggg gggcaagtgt 240  
 gtgcctctc ggctgtgta gcaagaacat tcagggttag cctaagttan tcgtgttagt 300  
 t 301

<210> 257  
 <211> 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 257

gttggtggagg aactctggct tgctcattaa gtctactga ttttactat cccctgaatt	60
tccccactta tttttgtctt tcactatcgc aggccttaga agaggtctac ctgcctccag	120
tcttacctag tcacgtctac cccctggagt tagaatggcc atcctgaagt gaaaagtaat	180
gtcacattac tcctctcagt gatttcttgt agaagtgcca atccctgaat gccaccaaga	240
tcttaatctt cacatcttta atcttatctc ttgactcct ctttacaccg gagaaggctc	300
c	301

&lt;210&gt; 258

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(301)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 258

cagcagtagt agatgcgcta tgccagcagc cccagcactc ccaggatcag caccagcacc	60
aggggcccag ccaccaggcg cagaagcaag ataaacagta ggctcaagac cagagccacc	120
cccaggggcaa caagaatcca ataccaggac tggggaaaat ctccaaagat cttaacactg	180
atgtctcggg cattgaggct gtcaataana cgctgatccc ctgctgtatg gtgggtgcat	240
tggtgatccc tgggagcgcc ggtggagtaa cggtgtgtcca tggaaagcag cgcccacaa	300
t	301

&lt;210&gt; 259

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(301)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 259

tcataatgc aaacaaatgc agactangcc tcaggcagag actaaaggac atctcttggg	60
gtgtcctgaa gtgatttga cccctgaggg cagacaccta agtaggaatc ccagtgggaa	120
gcaaagccat aaggaagccc aggattcctt gtgacagga agtgggccag gaaggtctgt	180
tccagctcac atctcatctg catgcagcac gaccggatg cgccactgg gtcttggctt	240
ccctccatc ttctcaagca gtgtccttgt tgagccattt gcatccttgg ctccaggtyg	300
c	301

&lt;210&gt; 260

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 260

tttttttct ccctaaggaa aaagaaggaa caagtctcat aaaacaaat aagcaatggt	60
aaggtgtctt aacttgaaaa agattaggag tcaactggtt acaagtata attgaatgaa	120
agaactgtaa cagccacagt tggccatttc attgccaatg cagcaaacaa caggattaac	180
tagggcaaaa taaataagtg tgtggaagcc ctgataagtg cttataaac agactgattc	240
actgagacat cagtacctgc ccggcgggcc gctcgagccg aattctgcag atatccatca	300

c

301

<210> 261  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 261  
 aaatattcga gcaaatcctg taactaatgt gtctccataa aaggctttga actcagtgaa 60  
 tctgtttcca tccacgattc tagcaatgac ctctcggaca tcaaaagctcc tcttaagggtt 120  
 agcaccaact attccataca attcatcagc aggaataaaa ggctcttcag aaggttcaatt 180  
 ggtgacatcc aatttcttct gataatttag attctctaca accttctcag ttaagtgaag 240  
 ggcgatgatg tcatccaaag cccagtggtc acttactcca gactttctgc aatgaagatc 300  
 a 301

<210> 262  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 262  
 gagagagacc tggtacagca tttgtaagca cagaatactc caggagtatt tgtaattgtc 60  
 tgtgagcttc ttgccgcaag tctctcagaa atttaaaaag atgcaaatcc ctgagtcacc 120  
 cctagacttc ctaaacagga tctctctggg ctggaacctg gcactctgca tttgtaatga 180  
 gggctttctg gtgcacacct aattttgtgc atctttgcc taaatcctgg attagtgccc 240  
 catcattacc cccacattat aatgggatag attcagagca gatactctcc agcaagaagt 300  
 c 301

<210> 263  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(301)  
 <223> n = A,T,C or G

<400> 263  
 tttagcttgt ggtaaatgac tcacaaaact gattttaaaa tcaagttaat gtgaattttg 60  
 aaaattacta cttaatccta attcacata acaatggcat taaggtttga ctgagtttgg 120  
 ttcttagtat tatttatggt aaataggctc ttaccacttg caaataactg gccacatcat 180  
 taatgactga cttcccagta aggcctctcta aggggttaagt angaggatcc acaggatttg 240  
 agatgctaag gccccagaga tcgtttgatc caacctctct attttcagag gggaatgatg 300  
 g 301

<210> 264  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 264  
 aaagacgtta aaccactcta ctaccacttg tggaactctc aaagggtaaa tgacaaascc 60  
 aatgaatgac tctaaaaaca atatttcat ttaatgggtt gtagacaata aaaaaacaag 120  
 gtggatagat ctagaattgt aacattttta gaaaaccata scatttgaca gatgagaaag 180  
 ctaattata gatgcaaatg tataactaaa ctactatagt agtaaaqaaa tacattttac 240  
 acccttcata taaattcoat atcttggctt gaggcactcc ataaaatgta tcacgtgcat 300  
 a 301

<210> 265  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 265  
 tgcccaagtt atgtgtaagt gtatcgccac ccagaggttaa aactacactg tcattctttgt 60  
 cttctgtga cgcagttatt cttctctggg gagaagccgg gaagtcttct cctggctcta 120  
 catattcttg gaagtctcta atcaactttt gttccatttg ttctatttct tcaggaggga 180  
 ttttcagttt gtcaacatgt tctctaaca cacttgcaca ttctgttaaa gaatccaaag 240  
 cagtccaagg ctttgacatg tcaacaacca gcataactag agtatccttc agagatacgg 300  
 c 301

<210> 266  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 266  
 tacgctctgc ccttctctcc atccaggcca tctgcgaatc tacatgggtc ctccatttgc 60  
 acaccagatc actcttttct ctacccacag gcttgctatg agcaagagac scaactcct 120  
 ctctctcttg ttccagcttc ttttctgttt ctcccaccc cttaagtctt attctgggg 180  
 atagagacac caatacccat aacctctctc ctaagcctcc ttataacca ggggtcacag 240  
 cacagactcc tgacaactgg taaggccaat gaactgggag ctccacagctg gctgtgcctg 300  
 a 301

<210> 267  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 267  
 aaagagcaca ggccagctca gcctgccctg gccatctaga ctacagcctg ctccatgggg 60  
 gttctcagtg ctgagctcat ccaggaaagc ctacacatga cttcttgagg ctgaattctc 120  
 atcctcacag cgagcttctg agagcctgat attcctagcc ttgatggtct ggagtaaacg 180  
 ctcatctga ttctctctct tcttttcttt caagttggct ttccctacat cctctgttct 240  
 aattcgcttc agcttgtctg ctttagccct catttcacga agcttcttct ctttggcatc 300  
 t 301

<210> 268  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 268  
 aatgtctcac tcaactactt ccagccctac cgtggcctaa ttctgggagt tttcttctta 60  
 gatcttgga gagctgggtc ttctaaggag aaggagggaag gacagatgta actttggatc 120  
 tcgaagagga agtctaattg aagtaattag tcaacggtcc ttgtttagac tcttggaaata 180  
 tgctgggtgg ctcaagtggc ccttttggag aaagcaagta ttattcttaa ggagtaacca 240  
 ctctccattg ttctactttc taccatcacc aattgtatat tatgtattct ttggagaact 300  
 a 301

<210> 269  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 269  
 taacaatata cactagctat ctttttaact gtccatcatt agcaccaatg aagattcaat 60  
 aaaattacct ttattcacac atctcaaaac aattctgtcaa attcttagtg aagtttaact 120  
 atagtcacag accttaataa ttcacattgt ttctatgtc tactgaaaat aagttcaacta 180  
 cttttctgga tattctttac aaaatcttat taaatctct ggtattatca ccccaacta 240  
 tacagtagca caaccacctt atgtagtttt tacatgatag ctctgtagaa gtttcacatc 300  
 t 301

<210> 270  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 270  
 cattgaagag cttttgcgaa acatcagaac acaagtgcct ataaaaattaa ttaagcctta 60  
 cacaagaata catattcctt ttatttctaa ggagtttaaac atagatgtag ctgatgtgga 120  
 gagcttgctg gtgcagtgca tattggataa cactattcat ggccgaattg atcaagtcaa 180  
 ccaactcctt gaactggatc atcagaagaa ggggtggtgca cgataactg cactagataa 240  
 tggaccaacc aactaaattc tctcaccagg ctgtatcagt aaactggcct aacagaaaa 300  
 a 301

<210> 271  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(301)  
 <223> n = A,T,C or G

<400> 271  
 aaaaggttct cataagatta acaatttaaa taaatatttg atagaacatt ctttctcatt 60  
 ttatattgct atcttttagg ttgatattca gttcatgctt cccttgctgt tcttgatcca 120  
 gaattgcaat cacttcacat gcctgtattc gctccaattc tctataaagt ggytccaagg 180  
 tgaaccacag agccacagca caccctcttc ccttggtgac tgccctcacc ccgatgnggt 240  
 tctctcctcc agatganaac tgatcatgcy ccacatttt gggttttata gaagcagtc 300  
 c 301

<210> 272  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 272  
 taaattgcta agccacagat aacaccaatc aatggaaca aatcactgtc ttcaaatgtc 60  
 ttatcagaaa accaaatgag cctggaatct tcataatacc taacatgccc gtatttagga 120  
 tccaataatt ccctcatgat gagcaagaaa aattctttgc gcacccctcc tgcattccaca 180  
 gcatctctc caacaaatat aaccttgagt ggcttcttgt aatctatgtt cttgttttc 240  
 ctaaggagct ccattgcac tctacaata ttttctctac gcaccactag aattaagcag 300  
 g 301

<210> 273  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<220>



<221> misc\_feature  
 <222> (1)...(301)  
 <223> n = A,T,C or G

<400> 273  
 acatgtgtgt atgtgtatct ttgggaaaaa aanaagacat ctgtttayt attttttgg 60  
 agagangctg ggacatggat aatcacwtaa ttgtctayta tyactttaat ctgactygaa 120  
 gaaccgtcta aaataaaaat ttaccatgtc dtatatctct tatagtatgc ttatttcacc 180  
 ttytttctgt ccagagagag tatcagtgac ananatttma ggggtgaamac atgmattggg 240  
 gggactntty tttaacngam accctgcccg sgccgccctg makcngant cccgsananc 300  
 t 301

<210> 274  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(301)  
 <223> n = A,T,C or G

<400> 274  
 cttatatact ctttctcaga ggcaaaagag gagatgggta atgtagacaa ttctttgagg 60  
 aacagtaaat gattattaga gagaangaat ggaccaagga gacagaattt aacttgtaaa 120  
 tgattctctt tggaaattga atgagatcaa gaggccagct tttagcttggg gaaaagtcca 180  
 tctagtgatg gttgcattct cgtcttcttt tctgcagtag ataatgaggt aaccgaaggg 240  
 aattgtgctt cttttgataa gaagctttct tggtcataac aggaaattcc aganaaagtc 300  
 c 301

<210> 275  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(301)  
 <223> n = A,T,C or G

<400> 275  
 tcggtgtcag cagcacgtgg cattgaacat tgcaatgtgg agcccaaacc acagaaaatg 60  
 ggggtgaaatt ggccaacttt ctattaactt atgttgcaaa ttttgccacc aacagtaagc 120  
 tggccctctt aataaaaagaa aattgaaagg ttcttcacta aacggaatta agtagtgagg 180  
 tcaagagact cccaggcctc agcgtacctg cccggggcgg cgctcgaagc cgaattctgc 240  
 agatatccat cacactggcg gncgctcgan catgcatcta gaaggnccaa ttgcacctat 300  
 a 301

<210> 276  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 276  
 tgtacacata ctcaataaat aatgactgc attgtgggtat tattactata ctgattatat 60  
 ttatcatgtg acttcttaatt agaaaatgta tccaaaagca aaacagcaga tatacaaat 120  
 taaagagaca gaagatagac attaacagat aaggcaactt atacattgag aatccaaatc 180  
 caatacattt aaacatttgg gaaatgaggg ggacaaatgg aagccagatc aaatttgggt 240

aaaactattc agtatgtttc ccttgcttca tgtctgagaa ggctctcctt caatggggat 300  
g 301

<210> 277  
<211> 301  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(301)  
<223> n = A,T,C or G

<400> 277  
tttgttgatg tcagttatattt attactttgc ttatgagtgc tcacctggga aattctaaag 60  
atacagagga cttggaggaa gcagagcaac tgaatttaatt ttaaaagaag gaaaacattg 120  
gaatcatggc actcctgata ctttcccaa tcaacactct caatgcccca cctcgttctc 180  
caccatagtg gggagactaa agtggccacg gatttgcctt angtgtcag tgcgtttctga 240  
gttctctgct gattacatct gaccagtctc ctttttccga agtccttcgc ttcaatcttg 300  
c 301

<210> 278  
<211> 301  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(301)  
<223> n = A,T,C or G

<400> 278  
taccactaca ctccagcctg ggcaacagag caagacctgt ctcaaagcat aaaatggaat 60  
aacatatcaa atgaaacagg gaaaatgaag ctgacaattt atggaagcca gggctgtgct 120  
cagttctctac tgttattatg cattacctgg gaatttatat aagcccttaa taataatgcc 180  
aatgaacatc tcattgtgtg tcacaatgtt ctggcactat tataagtgtc tcacaggttt 240  
tatgtgttct tegttaacttt atggantagg tactcggcgc ggaacacgct aagccgaatt 300  
c 301

<210> 279  
<211> 301  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(301)  
<223> n = A,T,C or G

<400> 279  
aaagcaggaa tgacaaagct tgcctttctg gtatgttcta ggtgtattgt gacttttact 60  
gttatattaa ttgccaatat aagtaaatat agattatata tgtatagtgt ttccaaaagc 120  
ttagaccttt accttccagc caccocacag tgccttgatata ttccagagtca gtcatttggt 180  
atacatgtgt agttccaaag cacataagct agaanaanaa atattttcag ggagcactac 240  
catctgtttt cacatgaaat gccacacaca tagaactcca acatcaattt cattgcacag 300  
a 301

<210> 280

<211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 280  
 ggtactggag ttttcctccc ctgtgaaac gtaactactg ttgggagtg attgaggatg 60  
 tagaaaagtg gtggaaaccaa attgtggtca atggaaatag gagaatatg ttctcactct 120  
 tgagaaaaaa acctaaagatt agcccaggta gttgcctgta acttcagttt ttctgcctgg 180  
 gtttgatata gtttaggggt ggggttagat taagatctaa attacatcag gacaaagaga 240  
 cagactatta actccacagt taattaaagga ggtatgtcc atgtttattt gttaaagcag 300  
 t 301

<210> 281  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 281  
 aggtacaaga aggggaatg gaaagagctg ctgctgtgac attgttcaac ttggatatcc 60  
 gccagagcaat ccaaatcctg aatgaagggt catcttctga aaaaggagat ctgaatctca 120  
 atgtggtagc aatggcttta tcgggttata cggatgagaa gaactccctt tggagagaaa 180  
 tggtagcac actgcgatta cagctaaata acccgattt gtgtgtcatg ttgtcatttc 240  
 tgacaagtga aacaggatct tacgatggag ttttgtatga aaacaaagtt gcagtcacct 300  
 g 301

<210> 282  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 282  
 caggtactac agaattaaaa tactgacaag caagtagttt ctggcgtgc acgaattgca 60  
 tccagaaccc aaaaattaat aaattcaaaa agacattttg tgggcacctg ctgacacaga 120  
 agcgacagaag caaagcccg gcagaaacct gctaacctta cagctcagcc tgcacagaag 180  
 cgcagaagca aagcccgagc agaaccatgc taaccttaca gctcagcctg cacagaagcg 240  
 cagaagcaaa gcccaggcag aacatgctaa ccttacagct cagcctgcac agaagcacag 300  
 a 301

<210> 283  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 283  
 atctgtatc ggcagacaaa ctttatarag tgtagagagg tgaagcaag gatgcaaaa 60  
 cactttgagg gctttataat aatattgtgc ttgaaaaaaa aatgtgtag ttgatactca 120  
 gtgcactctc agacatagta aggggttgct ctgaccaatc aggtgatcat tttttctatc 180  
 acttcccagg ttttatgc aaattttgtt aaattctata atgggtgat gcatctttta 240  
 ggaacatcat acatttttaa aaattctatt tatgtaagaa ctgacagacg aatttgcatt 300  
 g 301

<210> 284  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 284  
 caggtacaaa acgctattaa gtggttaga attgaaacat ttgtgtctt tatttacttt 60

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gcttcgtgtg  tgggcaaaagc  aacatcttcc  ctaaataatat  attaccaaga  aaagcaagaa  120
gcagattagg  tttttgacaa  aacaaaacagg  ccaaaaagggg  gctgacctgg  agcagagcat  180
ggtgagaggc  aaggcatgag  agggcaagtt  tgttgtggac  agatctgtgc  ctactttatt  240
actggagtaa  aagaaaacaa  agttcattga  tgtcgaagga  tatatacagc  gttgaaatt  300
a

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&lt;210&gt; 285

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(301)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 285

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acatcacatt  gatcggtacc  cccacccatt  atacgttgta  tgttacata  aatactcttc  60
aatgatcatt  agtgttttaa  aaaaaatact  gaaaactcct  tctgcatccc  aatctctaac  120
caggaaagca  aatgctattt  acagacctgc  aagccctccc  tcaaacnaaa  ctatttctcg  180
attaaatatg  tctgacttct  tttgaggtca  cagcactagg  caaatgctat  ttacgatctg  240
caaaagctgt  ttgaagagtc  aaagcctccc  tgtgaacacg  atttctggag  cctgtaacag  300
t

```

&lt;210&gt; 286

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 286

```

taccactgca  ttccagctcg  ggtgacagag  tgagactccg  tctccaaaa  aaactttgct  60
tgatatattt  ttttgcctta  cagtggatca  ttctagtagg  aaaggacagt  aagatttttt  120
atcaaaatgt  gtcagtcagg  taagagatgt  tatattcttt  tctcatttct  tccccaccca  180
aaaataagct  accatatagc  ttataagctt  caaatttttg  ccttttacta  aaatgtgatt  240
gtttctgttc  attgtgtatg  ctccatcacc  tatattagcg  aaattccatt  ttttcctctg  300
t

```

&lt;210&gt; 287

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 287

```

tacagatctg  ggaactaaat  attaaaaatg  agtgtggctg  gatatatgga  gaatgttggg  60
cccagaagga  acgtagagat  cagatattac  aacagctttg  ttttgagggg  tagaaatatg  120
aaatgatttg  gttatgaacg  cacagtttag  gcagcagggc  cagaatcctg  accctctgcc  180
ccgtggttat  ctctctccca  gcttggtgcg  ctcatgttat  cacagtatcc  cattttgatt  240
gttgcatgtc  ttgtgaagcc  atcaagattt  tctcgtctgt  ttctctctca  ttgtgaatgc  300
t

```

&lt;210&gt; 288

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 288

```

gtacacctaa  ctgcaaggac  agctgaggaa  tgtaatgggc  agccgctttt  aaagaagtag  60
agtcaatagg  aagacaattt  ccagttccag  ctcatgtctg  gtatctgcga  agctgcaaaa  120

```

```

gatctttaaa gacaatttca agagaatatt tccttaaagt tggcaatttg gagatcatac   180
aaaagcatct gctttttgtga ttttaatttag ctcatctggc cactgggaaga atccaaacag   240
tctgccttaa ttttggatga atgcatgatg gaaattcaat aatttagaaa gttaaaaaaa   300
a                                     301

```

&lt;210&gt; 289

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(301)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 289

```

ggtaacctgt ttccatgtta tgtttctaca cattgctacc tcagtgtccc tggaaactta   60
gcttttggatg tctccaagta gtccacacctc atttaactct ttgaaactgt atcatctttg   120
ccaagtaaga gtggtggcct atttcagctg ctttgacaaa atgactggct cctgacttaa   180
cgttctataa atgaatgtgc tgaagcaaaag tgcccatggt ggcggcgaaan aagagaaaga   240
tgtgttttgt tttggactct ctgtggtccc ttccaatgct gtgggtttcc aaccagnnga   300
a                                     301

```

&lt;210&gt; 290

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(301)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 290

```

acactgagct cttcttgata aatatacaga atgcttggca tataacaagt tctatactac   60
tgactgatct gtctatttct ctcacagctc ttacccccaa aagcttttcc accctaagtg   120
ttctgacctc cttttctaat cacagtaggg atagaggcag anccacctac aatgaacatg   180
gagttctatc aagaggcaga aacagcacag aatcccagtt ttaccattcg ctgacagtcg   240
tgccttgaaac aaaaacattt ctccatgtct cattttcttc atgacctcaag taacagtggg   300
a                                     301

```

&lt;210&gt; 291

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 291

```

caggtaccaaa tttcttctat cctagaaaca ttctatttta tgttgttgaa acataacaac   60
tatatcagct agattttttt tctatgcttt acctgcatg gaaaatttga cacattctgc   120
tttactcttt tgtttatagg tgaatcacia aatgtatttt tatgtattct gtagttcaat   180
agccatggct gtttacttca ttttaatttt ttagcataaa gacattatga aaaggcctaa   240
acatgagctt cacttcccca ctaactaatt agcatctggt attttctaac cgtaatgcct   300
a                                     301

```

&lt;210&gt; 292

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(301)  
 <223> n = A,T,C or G

<400> 292  
 accttttagt agtaatgtct aataataaat aagaaatcaa ttttataagg tccatatagc 60  
 tgtattaaat aatttttaag tttaaaagat aaaataccat catttttaaat gttggtattc 120  
 aaacccaag natataaccg aaaggaaaaa cagatgagac ataaaatgat ttgcnagatg 180  
 ggaaatatag tasattyatga atgttnatta aattccagtt ataatagtgg ctacacactc 240  
 tcaactacaca cacagacccc acagtccctat atgccacaaa cacatttcca taacttgaaa 300  
 a 301

<210> 293  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 293  
 ggtaaccaagt gctgggtgcc gctgtttacc tgtttctact gaaaagtctg gctaatgctc 60  
 ttgtgtagtc actctgtgatt ctgacaatca atcaatcaat ggctagagc actgactggt 120  
 aacacaaaacg tcactagcaa agtagcaaca gctttaagtc taaatacaaa gctgttctgt 180  
 gtgagaattt tttaaaaggc tacttgtata ataacccttg tcatttttaa tgtacctcgg 240  
 ccgcgaccac gctaaggcga attctgcaga tatccatcac actggcgccc gctcgagcat 300  
 g 301

<210> 294  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(301)  
 <223> n = A,T,C or G

<400> 294  
 tgaccataaa caatatatac tagctatctt ttttaactgtc catcattagc accaatgaag 60  
 attcaataaa attactctta ttcacacatc tcaaaaacat tctgcaaat cttagtgaag 120  
 ttttaactata gtcacaganc ttaaattatc acattgtttt ctatgtctac tgaataaag 180  
 ttcaactact ttctgggata ttctttacaa aatcttatta aaattcctgg tattatcacc 240  
 cccaattata cagtgcaca accacattat gtagttttta catgatagct ctgtagaggt 300  
 t 301

<210> 295  
 <211> 305  
 <212> DNA  
 <213> Homo sapien

<400> 295  
 gtactctttc tctccctccc tctgaattta attctttcaa ctgcaattt gcaaggatta 60  
 cacatttccac tgtgatgtat attgtgtgtc aaaaaaaaaa gtgtctttgt ttaaaattac 120  
 ttggtttgtg aatccatctt gctttttccc cattggaact agtcattaac ccactctga 180  
 actggtagaa aaactctga agagctagtc tatcagcatc tgacaggtga attgtaggt 240  
 tctcagaacc atttcaccca gacagcctgt tcttatcctg ttaataaat tagtttgggt 300  
 tctct 305

<210> 296  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 296  
 aggtactatg ggaagctgct aaaataatat ttgatagtaa aagtatgtaa tgtgctatct 60  
 cacctagtag taaactaaaa ataaactgaa accttatgga atctgaagtt attttccttg 120  
 attaaataga attaataaac caatatgagg aaacatgaaa ccatgcaatc tactatcaac 180  
 ttgaaaaaag tgattgaaac aaccacttag ctttcagatg atgaacactg ataagtcatt 240  
 tgtcattact ataaatttta aaatctgtta ataagatggc ctatagggag gaaaaagggg 300  
 c 301

<210> 297  
 <211> 300  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(300)  
 <223> n = A,T,C or G

<400> 297  
 actgagtttt aactggacgc caagcaggca aggcctggaag gttttgctct ctttgtgcta 60  
 aagggttttga aaaccttgaa ggagaatcat ttgacaaga agtacttaag agtctagaga 120  
 acaaaagangt gaaccagctg aaagctctcg ggggaanctt acatgtgttg ttaggccttg 180  
 tccatctattg ggagtgcact gccatccct caaaatttgt ctgggctggc ctgagtggtc 240  
 accgcacctc ggccgcgacc acgctaagcc gaattctgca gatattccac acactggcgg 300

<210> 298  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(301)  
 <223> n = A,T,C or G

<400> 298  
 tatggggttt gtcacccaaa agctgatgct gagaaggccc tccctggggc cctcccgcg 60  
 ggcatctgag agacctgggtg ttccagtgtt tctggaatg ggtcccagtg ccgccgggtg 120  
 tgaagctctc agatcaatca cgggaaggcc ctggcggtgg tggccacctg gaaccacctt 180  
 gtccgtcttg ttacatttc actaycaggt tttctctggg cattaacnatt tgttccccta 240  
 caacagtgc ctgtgcattc tgctgtggcc tgctgtgtct gcaggtggct ctcagcgagg 300  
 t 301

<210> 299  
 <211> 301  
 <212> DNA  
 <213> Homo sapien

<400> 299  
 gttttgagac ggagtttcac tcttgttgcc cagactggac tgcaatggca gggctctctg 60  
 tcaactgaac ctctgctccc caggttcgag caattctect gctcagcct cccaggttagc 120  
 tgggattgca ggctcacgcc accataacca gctaaatttt ttgtattttt agtagagacg 180  
 gagtttcgcc atgttgccca gctggtctca aactcctgac ctcaagcgac ctgcctgctc 240

cgccctccca aagtgtgga attataggca tgagtcaaca cgccagcct aaagatattt 300  
t 301

<210> 300  
<211> 301  
<212> DNA  
<213> Homo sapien

<400> 300  
attcagtttt atttgcgtgc ccagtatctg taaccaggag tgccacaaaa tcttgccaga 60  
tatgtccac acccactggg aaaggctccc acctggctac ttctctatc agctgggtca 120  
gctgcatcc acaaggttct cagcctaagt agtttcaacta cctgccagtc tcaaaactta 180  
gtaaaagcaag accatgacat tccccacgg aaatcagagt ttgccccacc gtctgtttac 240  
tataaagcct gcctctaac gtccttgctt cttcacacca atccgagcg catccccat 300  
g 301

<210> 301  
<211> 301  
<212> DNA  
<213> Homo sapien

<400> 301  
ttaaattttt gagaggataa aaaggacaaa taatctagaa atgtgtcttc ttcagttctgc 60  
agaggaccac aggtctccaa gcaaccacat ggtcaagggc atgaataatt aaaagttggt 120  
gggaactcac aaagaccctc agagctgaga caccacaac agtgggagct cacaagagacc 180  
ctcagagctg agacacccac aacagtggga gctcacaaag accctcagag ctgagacacc 240  
cacaacagca cctcgttcag ctgccacatg tgtgaataag gatgcaatgt ccagaagtgt 300  
t 301

<210> 302  
<211> 301  
<212> DNA  
<213> Homo sapien

<400> 302  
aggtagacacat tttagcttggt gtaaatgact cacaaaactg attttaaat caagttaatg 60  
tgaattttga aaattactac ttaactctaa ttcacaataa caatggcatt aaggtttgac 120  
ttgagttggt tcttagtatt atttatgta aataggctct taccacttgc aataactagg 180  
ccacatcatt aatgactgac ttccagtaa ggctctctaa ggggtaagta ggaggatcca 240  
caggatttga gatgctaagg cccagagat cgtttgatcc aacctctta ttttcagagg 300  
g 301

<210> 303  
<211> 301  
<212> DNA  
<213> Homo sapien

<400> 303  
aggtagcaac tggggaata ggtagaggat cattttttct ttccatatca actaagttgt 60  
atattgtttt ttgacagttt aacacatctt cttctgtcag agattcttcc acaatagcac 120  
tggctaatgg aactaccgct tgcattgtta aatgggtggt ttgtgaaatg atcatagacc 180  
agtaacgggt atgtttttct aactgatctt ttgctcgttc caaagggacc tcaagacttc 240  
catcgatttt atactctggg tctagaaaag gagttaatct gttttccctc ataattcac 300  
c 301

<210> 304  
<211> 301  
<212> DNA



&lt;213&gt; Homo sapien

&lt;400&gt; 304

acatggatgt	tattttgcag	actgtcaacc	tgaatttgta	ttgcttgac	attgccta	60
tatttagttc	agtttcagct	taccacacttt	ttgtctgcaa	catgcaraas	agacagtgcc	120
cttttttagtg	tatcatatca	ggaatcatct	cacattgggt	tgtgccatta	ctgggtcagt	180
gactttcagc	cacttgggta	aggtggagtt	ggccatagt	ctccactgca	aaattactga	240
ttttcctttt	gtaattaata	agtgtgtgtg	tgaagattct	ttgagatgag	gtatatatct	300
c						301

&lt;210&gt; 305

&lt;211&gt; 301

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(301)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 305

gangtacagc	gtggtcaagg	taacaagaag	aaaaaaatgt	gagtggcattc	ctgggatgag	60
caggggggaca	gacctgggaca	gacacgttgt	catttgctgc	tgtgggtagg	aaaatggggc	120
taaaaggagga	gaaacagata	caaaatctcc	aactcagtat	taaggtattc	tcattgcttag	180
aatattggtta	gaaacaagaa	tacattcata	tgggcaataa	ctaaccatgg	tggaaacaaa	240
ttctgggatt	taagttggat	accaangaaa	ttgtattaaa	agagctgttc	atgggaataag	300
a						301

&lt;210&gt; 306

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 306

Val	Leu	Gly	Trp	Val	Ala	Glu	Leu
1							5

&lt;210&gt; 307

&lt;211&gt; 637

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 307

acagggrratg	aagggaaaag	gagaggatga	ggaagccccc	ctggggattt	ggtttgggtcc	60
ttgtgatcag	gtggtctatg	gggcttatcc	ctacaaagaa	gaatccagaa	atagggggcac	120
attgaggaat	gatacttgag	cccaaagagc	attcaatcat	tgttttattt	gccttmtttt	180
caacaccattg	gtgaggggag	gattaccacc	ctgggggttat	gaagatggtt	gaacacccca	240
cacatagcac	cggagatatg	agatcaacag	tttcttagcc	atagagattc	acagcccaga	300
gcaggaggac	gcttgacacac	catgcaggat	gacatggggg	atgcgctcgg	gatttgtgtg	360
aagaagcaag	gactgttaga	ggcaggcttt	atagtaacaa	gacggtgggg	caaaactctga	420
tttccgtggg	ggaatgtcat	ggtcttgctt	tactaaagtt	tgagactggc	aggtagtga	480
actcattagc	ctgagaacct	tgtggaatgc	acttgaccga	scgtatagag	gaagttagcca	540
ggtggggagcc	tttccagctg	ggtgtgggac	atatctggca	agattttgtg	gcactcctgg	600
ttacagatac	tggggcgaca	aataaaactg	aactcttg			637

&lt;210&gt; 308

&lt;211&gt; 647

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(647)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 308

acgattttca	ttatcatgta	aatcgggtca	ctcaaggggc	caaccacagc	tgggagccac	60
tgctcagggg	aaggttcata	tgggactttc	tactgcccaa	ggttctatac	aggatataaa	120
ggngccctac	agtagatgc	tggtagcaaa	gaagaagaaa	caaacactga	tctctttctg	180
ccaccctctc	gaccctttgg	aactcctctg	acoccttaga	acaagcctac	ctaatactcg	240
ctagagaaaa	gaccaacaac	ggcctcaaa	gatctcttac	catgaaggtc	tcagctaatt	300
cttggctaag	atgtgggttc	cacattaggt	tctgaatatg	gggggaaggg	tcaatttgct	360
catttttgtg	gtggataaag	tcaggatgcc	cagggggccag	agcagggggc	gcttctgttt	420
gggaacaatg	gctgagcata	taaccatagg	ttatggggaa	caaaacaaca	tcaaagtcac	480
tgtatcaatt	gccatgaaga	cttgagggac	ctgaatctac	cgattcatct	taaggcagca	540
ggaccagttt	gagtggaac	aatgcagcag	cagaatcaat	ggaacaaca	gaatgattgc	600
aatgtccttt	ttttctcct	gcttctgact	tgataaaagg	ggaccgt		647

&lt;210&gt; 309

&lt;211&gt; 460

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 309

actttatagt	ttaggctgga	cattgaaaa	aaaaaaaagc	cagaacaaca	tgtgatagat	60
aatatgattg	gctgcacact	tccagactga	tgaatgatga	acgtgatgga	ctattgtatg	120
gagcacatct	tcagcaagag	ggggaaatc	tcatcatttt	tggccacgag	ttgtttgatc	180
accaaacatc	atgccagaat	actcagcaaa	octtcttagc	tcttgagaag	tcaaaagtccg	240
ggggaaattta	ttcctggcaa	ttttaattgg	actccttatg	tgagagcagc	ggctaccocag	300
ctggggtggt	ggagcgaaac	cgtcactagt	ggacatcgag	tggcagagct	ctcgtaaac	360
acctagagga	atacacaggc	acatgtgtga	tgccaaagct	gacacctgta	gcactcaaat	420
ttgtcttgtt	tttgtcttct	ggtgtgtaag	atttcttaagt			460

&lt;210&gt; 310

&lt;211&gt; 539

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 310

acgggactta	tcaataaag	ataggaaaag	aagaaaactc	aaatattata	ggcagaaatg	60
ctaaagggtt	taaaatatgt	caggattgga	agaaggcatg	gataaagaac	aaagttcaggt	120
taggaaagag	aaacacagaa	ggaagagaca	caataaaagt	cattatgtat	tctgtgagaa	180
gtcagacagt	aagattttgt	ggaattgggt	tggtttgttg	tatggtatgt	attttagcaa	240
taattcttat	ggcagagaaa	gctaaaatcc	tttagcttgc	gtgaatgatc	acttgctgaa	300
ttcctcaagg	taggcattga	gaaggagggt	ttagaggaga	ccagacacac	atgaactgac	360
ctagatagaa	agccttagta	tactcagcta	ggaatagtga	ttctgagggc	acactgtgac	420
atgattatgt	ctatcatagt	atggtagtga	tggggatgat	aggaaggaag	aacttatggc	480
atattttcac	ccccacaaaa	gtcagttaaa	tattggggaca	ctaaccatcc	aggtcaaga	539

&lt;210&gt; 311

&lt;211&gt; 526

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(526)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 311

caaat	ttgag	ccaat	gacat	agaat	ttttac	aaatcaagaa	gc	ttattctg	gggccatttc	60
ttttgacgtt	ttctcta	aaac	tactaaagag	gc	attaatga	tccataaatt	at	attatcta		120
catttcacagc	atttaaaatg	tg	ttcagcat	gaa	ataattag	ctacagggga	ag	ctaataata		180
attaaacatg	gaataaaagat	tt	gtcotta	atataatcta	caagaagact	ttgatatttg				240
ttttccacaa	gtgaagcatt	cttataaaagt	gtc	ataacct	ttttggggaa	actatgggaa				300
aaaatgggga	aactctgaag	gg	tttaagt	atcttacctg	aagctacaga	ctccataacc				360
ttcttttaca	gggagctctc	gcagccccta	caga	aaatgag	tggtcgagat	tttgattgc				420
acagcaagag	ctctcatctc	aaacccttc	ccttttagt	atctgtgtat	caagataaa					480
agttctataa	actgtagtnt	acttatttta	atccccaaag	cacagt						526

&lt;210&gt; 312

&lt;211&gt; 500

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)...(500)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 312

cctctctctc	cccaccccct	gactctagag	aactgggttt	tctcccagta	ctccagcaat	60
tcatttctga	aagcagttga	gccactttat	tccaaagtac	actgcagatg	ttcaaactct	120
ccatttctct	ttcccttcca	cctgcaggtt	ttgctgactc	tcaacttgct	atgagtgtaa	180
gcattaagga	cattatgctt	cttgattctc	gaagacaggc	cctgctcatg	gatgactctg	240
gcttcttagg	aaaataatttt	ttctccaaaa	tcagtaggaa	atctaaactt	atcccccttt	300
tgagatgtc	tagcagcttc	agacatttgg	ttaagaaccc	atgggaaaaa	aaaaaatctt	360
tgctaagtgt	gtttcctttg	taaacccanga	ttctatttg	nctggtatag	aatatcagct	420
ctgaacgtgt	ggtaaaagatt	tttgtgtttg	aatataggag	aaatcagttt	gctgaaaagt	480
tagtcttaat	tatctattgg					500

&lt;210&gt; 313

&lt;211&gt; 718

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc feature

&lt;222&gt; (1)...(718)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 313

ggagatttgt	gtggtttgca	gccgagggag	accaggaaga	tctgcatggt	gggaaggacc	60
tgatgatata	gaggtgagaa	ataagaaaag	ctgctgactt	taccatctga	ggccacacat	120
ctgctgaaat	ggagataatt	aaatcacta	gaaacagcaa	gatgacaata	taatgtctaa	180
gtagtgaacat	gtttttgcac	atttccagcc	cttttaata	tccacacaca	cagggaagac	240
aaaaggaaag	acagagatcc	ctgggagaaa	tgcccggccg	ccatcttggg	tcacgatga	300
gcctgcgcct	gtgcctgntc	ccgcttgtga	gggaaggaca	ttagaanaag	aattgatgtg	360
ttccttaaa	gatggcagga	aaacagatcc	tggttggtat	atttatttga	acgggattac	420
agatttga	tgaagtccaca	aagtgcagcat	taccaatgag	aggaaaacag	acgagaaaat	480
ctgtgatggt	cacaagacat	gcaacaaaca	aaatggaata	ctgtgatgac	acgagcagcc	540
aactggggag	gagataccac	ggggcagagg	tcaggattct	ggccctgctg	cctaactgtg	600
cggtatacca	atcatttcta	tttctaacct	caacaagact	gtngaatatc	tgacttaagg	660
ttctnttggc	ccacattttc	atnatccacc	cctntntttt	aamtntantc	caaatngt	718

<210> 314  
 <211> 358  
 <212> DNA  
 <213> Homo sapien

<400> 314  
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 cataatcaaa tatagctgta gtacatgttt tcattggtgt agattaccac aaatgcaagg 120  
 caacatgtgt agatctcttg tcttattctt ttgtctataa tactgtattg tgtagtccaa 180  
 gctctcggtta gtccagccac tgtgaaacat gctcccttta gattaacctc gtggacgctc 240  
 ttgttgtatt gctgaactgt agtgcctgt attttgcctc tgtctgtgaa tctctgttgc 300  
 tctggggcat ttccttgta tgcagaggac caccacacag atgacagcaa tctgaatt 358

<210> 315  
 <211> 341  
 <212> DNA  
 <213> Homo sapien

<400> 315  
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 ataggtgatg atgaggacat ggaatggccc cccaaggatg gtcgtgccaa agaagcgagt 120  
 gaccoccat ctgaagatgt ctggaacctc taccagcagg atgatgatag cccaatgac 180  
 agtcaccagc tccccagcaa gccggatac gtccttaggg gtcctgtagg ctctctgaag 240  
 tagcttctgc tgaagaggg tgtgtcccg ggggctcgtg cgtgtattg tctctgggct 300  
 gaggggggcg tagatgcagc acatggtgaa gcagatgatg t 341

<210> 316  
 <211> 151  
 <212> DNA  
 <213> Homo sapien

<400> 316  
 agactgggca agactcttac gcccacact gcaatttggt ctgtgtccg tatccattta 60  
 tgtgggcctt tctcgagttt ctgattataa acaccactgg agcgatgtgt tgactggact 120  
 cattcaggga gctctggttg caatatagtt t 151

<210> 317  
 <211> 151  
 <212> DNA  
 <213> Homo sapien

<400> 317  
 agaactagtg gatcctaagt aaatacctga aacatatatt ggcatttato aatggctcaa 60  
 atcttcattt atctctggcc ttaacctggt ctctgagggc tgcggccagc agatcccagg 120  
 ccagggtctt gttcttgcca cactgcttg a 151

<210> 318  
 <211> 151  
 <212> DNA  
 <213> Homo sapien

<400> 318  
 actgtgggga ggcgctgttt agttggctgt ttccagaggg gtctttcgga gggacctcct 60  
 gctgcaggct ggagtgctct tattctctgc gggagaccgc acattccact gctgaggctg 120  
 tgggggcggt ttatcaggca gtgataaca t 151

<210> 319

<211> 151  
 <212> DNA  
 <213> Homo sapien

<400> 319  
 aactagtggg tccagagcta taggtacagt gtgatctcag ctttgcaaac acattttcta 60  
 catagatagt actagggtatt aatagatatg taaagaaaga aatcacacca ttaataatgg 120  
 taagattggg tttatgtgat tttagtgggt a 151

<210> 320  
 <211> 150  
 <212> DNA  
 <213> Homo sapien

<400> 320  
 aactagtggg tccactagtc cagtgtgggt gaattccatt gtgttggggt tctagatcgc 60  
 gagcggctgc cctttttttt tttttttttt ggggggaatt tttttttttt aatagtatt 120  
 gagtgttcta cagcttacag taaataccat 150

<210> 321  
 <211> 151  
 <212> DNA  
 <213> Homo sapien

<400> 321  
 agcaactttg tttttcatcc aggttatatt aggtcttaga ttctctctca cactgcagtt 60  
 tagtggtggca ttgtaaccag ctatggcata ggtgttaaac aaaggctgag taaacatggg 120  
 tgcctctgag aaatcaaaagt cttcatacac t 151

<210> 322  
 <211> 151  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(151)  
 <223> n = A,T,C or G

<400> 322  
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 attgtgcagg gctcgttcca nacttcagtt t 151

<210> 323  
 <211> 151  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(151)  
 <223> n = A,T,C or G

<400> 323  
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 nagactcant tactaccocag tttgtggtt twtggggagaa atgtaactgg acagttagct 120  
 gttcaatyaa aaagacactt ancccatgtg g 151

<210> 324  
 <211> 461  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(461)  
 <223> n = A,T,C or G

<400> 324  
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 agagtactta cgaatcccat cttggttcca gctatatcac tgacagcatg tagaagact 180  
 gcgaacctca cttctagact ttccacgttg gacgaaacgg gtccagaaac tgccaggggc 240  
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 cacacaaatg caatagtttg tcactgcatt ttaccctgaa ccaagcttaa acccggtgtt 360  
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 aaaaacgcac aagagccctt gccctgcctt agctgangca c 461

<210> 325  
 <211> 400  
 <212> DNA  
 <213> Homo sapien

<400> 325  
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 gttttgtttt ggaactctctg ttgtcccttc caatgctgtg gggttccaac caggggaaag 300  
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 ctggccaagc aggtctggtt gcaagaatga aatgaatgat 400

<210> 326  
 <211> 1215  
 <212> DNA  
 <213> Homo sapien

<400> 326  
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<210> 327
<211> 220
<212> PRT
<213> Homo sapien

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<400> 327
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1 5 10 15
Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp Val
20 25 30
Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu Gly
35 40 45
Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val Glu
50 55 60
Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Leu Ala
65 70 75 80
Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser Asp
85 90 95
Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly Asn
100 105 110
Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg Met Pro
115 120 125
Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Glu Val Cys
130 135 140
Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys Ala Gly
145 150 155 160
Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly Gly Pro
165 170 175
Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly Lys Ala
180 185 190
Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn Leu Cys Lys
195 200 205
Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
210 215 220

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<210> 328
<211> 234
<212> DNA
<213> Homo sapien

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<400> 328
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atccgcagtg ggtgctgtca gccacacact gtttccagaa ctctacacc atcggtgtgc 180
gcctgcacag tcttgaggcc gaccaagagc cagggaacca gatggtggag gcca 234

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<210> 329
<211> 77
<212> PRT
<213> Homo sapien

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<400> 329
Leu Val Ser Gly Ser Cys Ser Gln Ile Ile Asn Gly Glu Asp Cys Ser

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Pro His Ser Gln Pro Trp Gln Ala Ala Leu Val Met Glu Asn'Glu Leu			
	20	25	30
Phe Cys Ser Gly Val Leu Val His Pro Gln Trp Val Leu Ser Ala Thr			
	35	40	45
His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu Gly Leu His Ser Leu			
	50	55	60
Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val Glu Ala			
65	70	75	

&lt;210&gt; 330

&lt;211&gt; 70

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 330

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gctgcagcca

60

70

&lt;210&gt; 331

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 331

Gln His Asn Gly Pro Ile Pro Ser Leu Thr Pro Pro Ser Gly Ser Leu			
	5	10	15
Val Ser Gly Ser Cys Ser			
	20		

&lt;210&gt; 332

&lt;211&gt; 2507

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 332

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&lt;210&gt; 333

&lt;211&gt; 3030

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 333

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 <211> 2417  
 <212> DNA  
 <213> Homo sapien

<400> 334						
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&lt;210&gt; 335

&lt;211&gt; 2984

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 335

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<210> 336  
 <211> 147  
 <212> PRT  
 <213> Homo sapien

<400> 336

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20           25           30
Pro Lys Gln Pro Gln Lys Arg Ser Arg Ala Ala Phe Ser His Thr Gln
35           40           45
Val Ile Glu Leu Glu Arg Lys Phe Ser His Gln Lys Tyr Leu Ser Ala
50           55           60
Pro Glu Arg Ala His Leu Ala Lys Asn Leu Lys Leu Thr Glu Thr Gln
65           70           75           80
Val Lys Ile Trp Phe Gln Asn Arg Arg Tyr Lys Thr Lys Arg Lys Gln
85           90           95
Leu Ser Ser Glu Leu Gly Asp Leu Glu Lys His Ser Ser Leu Pro Ala
100          105          110
Leu Lys Glu Glu Ala Phe Ser Arg Ala Ser Leu Val Ser Val Tyr Asn
115          120          125
Ser Tyr Pro Tyr Tyr Pro Tyr Leu Tyr Cys Val Gly Ser Trp Ser Pro
130          135          140
Ala Phe Trp
145

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<210> 337  
 <211> 9  
 <212> PRT  
 <213> Homo sapien

<400> 337  
 Ala Leu Thr Gly Phe Thr Phe Ser Ala  
 1 5

<210> 338  
 <211> 9  
 <212> PRT  
 <213> Homo sapien

<400> 338  
 Leu Leu Ala Asn Asp Leu Met Leu Ile  
 1 5

<210> 339  
 <211> 318

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 339

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1      5      10      15
Leu Tyr Met Ala Ala Pro Gln Ile Arg Lys Met Leu Ser Ser Gly Val
20     25     30
Cys Thr Ser Thr Val Gln Leu Pro Gly Lys Val Val Val Val Thr Gly
35     40     45
Ala Asn Thr Gly Ile Gly Lys Glu Thr Ala Lys Glu Leu Ala Gln Arg
50     55     60
Gly Ala Arg Val Tyr Leu Ala Cys Arg Asp Val Glu Lys Gly Glu Leu
65     70     75     80
Val Ala Lys Glu Ile Gln Thr Thr Thr Gly Asn Gln Gln Val Leu Val
85     90     95
Arg Lys Leu Asp Leu Ser Asp Thr Lys Ser Ile Arg Ala Phe Ala Lys
100    105    110
Gly Phe Leu Ala Glu Glu Lys His Leu His Val Leu Ile Asn Asn Ala
115    120    125
Gly Val Met Met Cys Pro Tyr Ser Lys Thr Ala Asp Gly Phe Glu Met
130    135    140
His Ile Gly Val Asn His Leu Gly His Phe Leu Leu Thr His Leu Leu
145    150    155    160
Leu Glu Lys Leu Lys Glu Ser Ala Pro Ser Arg Ile Val Asn Val Ser
165    170    175
Ser Leu Ala His His Leu Gly Arg Ile His Phe His Asn Leu Gln Gly
180    185    190
Glu Lys Phe Tyr Asn Ala Gly Leu Ala Tyr Cys His Ser Lys Leu Ala
195    200    205
Asn Ile Leu Phe Thr Gln Glu Leu Ala Arg Arg Leu Lys Gly Ser Gly
210    215    220
Val Thr Thr Tyr Ser Val His Pro Gly Thr Val Gln Ser Glu Leu Val
225    230    235    240
Arg His Ser Ser Phe Met Arg Trp Met Trp Trp Leu Phe Ser Phe Phe
245    250    255
Ile Lys Thr Pro Gln Gln Gly Ala Gln Thr Ser Leu His Cys Ala Leu
260    265    270
Thr Glu Gly Leu Glu Ile Leu Ser Gly Asn His Phe Ser Asp Cys His
275    280    285
Val Ala Trp Val Ser Ala Gln Ala Arg Asn Glu Thr Ile Ala Arg Arg
290    295    300
Leu Trp Asp Val Ser Cys Asp Leu Leu Gly Leu Pro Ile Asp
305    310    315

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&lt;210&gt; 340

&lt;211&gt; 483

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 340

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ccttcaattt tctctttggc tgacgacgga gtccgtgggt tcccgatgta actgaccocct      300
gtctcaaacg tgacattact gatgctcttc tcgggggtgc tgatggcccg cttgtgcacg      360
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ctg 483

<210> 341  
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<212> DNA  
<213> Homo sapien

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gtgccttac aagatataaa tattttactt ctttccataa agagtagctc aaaatatgca 180  
attaatttaa taattttctga tgatgggttt atctgcagta atagtatat catctattag 240  
atttactata atgaaaaact gaagagaaca aaatttgtaa ccactgacac ttaagtactc 300  
ctgatttcta acattgtctt taatgaccac aagacaacca acag 344

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<211> 592  
<212> DNA  
<213> Homo sapien

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ctctggcagg aaaccaatgc caagagagtg atggaaacca ttggcaagac ttgtgtgatg 180  
accaggattg gaattttata aaaattattg tgatgggaag ttgctaaag gtgaattact 240  
tcctcagaa gagtgtaag aaaagtcaga gatgctataa tagcagctat ttaattgggc 300  
aagtgccact gtggaaaagag ttctgtgtg tgctgaagtt ctgaagggca gtcaattcca 360  
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<211> 382  
<212> DNA  
<213> Homo sapien

<400> 343  
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<210> 344  
<211> 536  
<212> DNA  
<213> Homo sapien

<400> 344  
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&lt;210&gt; 345

&lt;211&gt; 251

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 345

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gtgccatttc	c					251

&lt;210&gt; 346

&lt;211&gt; 282

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(282)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 346

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&lt;210&gt; 347

&lt;211&gt; 201

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(201)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 347

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tataaagaat	ttttttttgt	c				201

&lt;210&gt; 348

&lt;211&gt; 251

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 348

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gccctgcctc	c					251

&lt;210&gt; 349

&lt;211&gt; 251

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 349

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&lt;210&gt; 350

&lt;211&gt; 908

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 350

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&lt;210&gt; 351

&lt;211&gt; 472

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 351

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&lt;210&gt; 352

&lt;211&gt; 251

&lt;212&gt; DNA

&lt;213&gt; Homo sapien



&lt;400&gt; 352

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aataagcaca	a					251

&lt;210&gt; 353

&lt;211&gt; 436

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 353

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&lt;210&gt; 354

&lt;211&gt; 854

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 354

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&lt;210&gt; 355

&lt;211&gt; 676

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 355

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gcttaaaaga	aaccag					676

&lt;210&gt; 356

&lt;211&gt; 574

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 356

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gtctctttagg	gaggcttaaa	tctgtctcag	gtgtgctaag	agtgccagcc	caaggkgctg	240
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&lt;210&gt; 357

&lt;211&gt; 393

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 357

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gcataatctg	tacaaaatta	aactgtccct	tttgccattt	taacaaattt	gcaacgktct	360
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&lt;210&gt; 358

&lt;211&gt; 630

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 358

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caaggcagag	gttctctccac	aacaaccagt				630

&lt;210&gt; 359

&lt;211&gt; 620

&lt;212&gt; DNA

## &lt;213&gt; Homo sapien

## &lt;400&gt; 359

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ctcaccagaa	gaataaagtg	ctctgccagt	tattaaagga	ttactgctgg	tgaattaaat	180
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ctgtaaagat	gtgacagtg					620

## &lt;210&gt; 360

## &lt;211&gt; 431

## &lt;212&gt; DNA

## &lt;213&gt; Homo sapien

## &lt;400&gt; 360

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tgatgaatga	tgaactgtat	ggactattgt	atggagcaca	ctctcagcaa	gagggggaaa	120
tactcatcat	ttttggccag	cagttgtgtg	atcaccacaa	atcatgccag	aaatactcagc	180
aaacctctct	agctcttgag	aagtcaaaagt	ccggggggaat	ttattctctg	caatttttaat	240
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agattcttag	t					431

## &lt;210&gt; 361

## &lt;211&gt; 351

## &lt;212&gt; DNA

## &lt;213&gt; Homo sapien

## &lt;400&gt; 361

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## &lt;210&gt; 362

## &lt;211&gt; 463

## &lt;212&gt; DNA

## &lt;213&gt; Homo sapien

## &lt;400&gt; 362

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cacacttgca	cacattctcc	ctgataagca	cgatgggtg	gacaggaagg	aaggatttca	420
ttgagcctgc	ttatggaac	tggtattgtt	agcttaataa	gac		463

<210> 363  
 <211> 653  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(653)  
 <223> n = A,T,C or G

<400> 363

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attttggaga	tccttggtcc	agaattccat	ttaccttctg	ggccagatac	caccagaatg	600
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<210> 364  
 <211> 401  
 <212> DNA  
 <213> Homo sapien

<400> 364

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tgagaagaat	caattataga	tgcaaaagta	taactaaact	actatagtag	taaaagaata	240
catttccacac	cottcatata	aattcactat	cttggcttga	ggcactccat	aaaatgtatc	300
acgtgcatag	taaattcttta	tatttgctat	ggcgttgcac	tagaggactt	ggactgcaac	360
aagtggatgc	gcggaaaatg	aaatcttctt	caatagccca	g		401

<210> 365  
 <211> 356  
 <212> DNA  
 <213> Homo sapien

<400> 365

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<210> 366  
 <211> 1851  
 <212> DNA  
 <213> Homo sapien

<400> 366

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aagatacatc	aacattttgc	tcaagtagag	ggctgactat	acttgcgtgat	ccacaacata	360
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atttatcttc	attgtagaca	gcatagtgta	gagtggtatt	tcataactca	cttggaattat	600
ttggatcagt	gccatgttcc	agcaacatta	acgcacattc	atcttctctg	cattgtacgg	660
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&lt;210&gt; 367

&lt;211&gt; 668

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 367

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aaaaaaa						668

&lt;210&gt; 368

&lt;211&gt; 1512

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 368

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&lt;210&gt; 369

&lt;211&gt; 1853

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 369

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						1620
						1680

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&lt;210&gt; 370

&lt;211&gt; 2184

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 370

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&lt;210&gt; 371

&lt;211&gt; 1855

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(1855)

&lt;223&gt; n = A,T,C or G

## &lt;400&gt; 371

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## &lt;210&gt; 372

## &lt;211&gt; 1059

## &lt;212&gt; DNA

## &lt;213&gt; Homo sapien

## &lt;400&gt; 372

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<210> 373  
 <211> 1155  
 <212> DNA  
 <213> Homo sapien

<400> 373

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<210> 374  
 <211> 2000  
 <212> DNA  
 <213> Homo sapien

<400> 374

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&lt;210&gt; 375

&lt;211&gt; 2040

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 375

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						2040

&lt;210&gt; 376

&lt;211&gt; 329

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 376

Met Asp Ile Val Val Ser Gly Ser His Pro Leu Trp Val Asp Ser Phe

1	5	10	15
Leu His Leu	Ala Gly Ser Asp Leu	Leu Ser Arg Ser Leu	Met Ala Glu
20	25	30	
Glu Tyr Thr	Ile Val His Ala Ser Phe	Ile Ser Cys Ile Ser	Ser Ser Ser
35	40	45	
Leu Asp Gly	Gln Gly Glu Arg Gln Glu	Gln Arg Gly His Phe	Trp Arg
50	55	60	
Pro Gln Arg	Leu Leu Cys Glu Asp Ala Trp	Glu Gln Glu Val Gln Val	
65	70	75	80
Val Leu Pro	Leu Leu Pro Leu Leu Gln Gly	Ser Gly Lys Ser Asn Val	
85	90	95	
Val Ala Trp	Gly Asp Tyr Asp Asp Ser Ala Phe	Met Asp Pro Arg Tyr	
100	105	110	
His Val His	Gly Glu Asp Leu Asp Lys Leu	His Arg Ala Ala Trp Trp	
115	120	125	
Gly Lys Val	Pro Arg Lys Asp Leu Ile Val	Met Leu Arg Asp Thr Asp	
130	135	140	
Val Asn Lys	Arg Asp Lys Gln Lys Arg Thr	Ala Leu His Leu Ala Ser	
145	150	155	160
Ala Asn Gly	Asn Ser Glu Val Val Lys Leu	Val Leu Asp Arg Arg Cys	
165	170	175	
Gln Leu Asn	Val Leu Asp Asn Lys Lys Arg Thr	Ala Leu Thr Lys Ala	
180	185	190	
Val Gln Cys	Gln Glu Asp Glu Cys Ala Leu Met	Leu Leu Glu His Gly	
195	200	205	
Thr Asp Pro	Asn Ile Pro Asp Glu Tyr Gly	Asn Thr Thr Leu His Tyr	
210	215	220	
Ala Val Tyr	Asn Glu Asp Lys Leu Met Ala Lys	Ala Leu Leu Leu Tyr	
225	230	235	240
Gly Ala Asp	Ile Glu Ser Lys Asn Lys His Gly	Leu Thr Pro Leu Leu	
245	250	255	
Leu Gly Ile	His Glu Gln Lys Gln Gln Val	Lys Phe Leu Ile Lys	
260	265	270	
Lys Lys Ala	Asn Leu Asn Ala Leu Asp Arg Tyr	Gly Arg Thr Ala Leu	
275	280	285	
Ile Leu Ala	Val Cys Cys Gly Ser Ala Ser Ile	Val Ser Pro Leu Leu	
290	295	300	
Glu Gln Asn	Val Asp Val Ser Ser Gln Asp Leu	Glu Arg Arg Pro Glu	
305	310	315	320
Ser Met Leu	Phe Leu Val Ile Ile Met		
325			

&lt;210&gt; 377

&lt;211&gt; 148

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (1)...(148)

&lt;223&gt; Xaa = Any Amino Acid

&lt;400&gt; 377

Met Thr Xaa	Pro Ser Trp Ser Pro Gly Thr Thr Ser Val	Glu Lys Ile
1	5	10
Trp Thr Ser	Ser Thr Glu Leu Pro Trp Trp Gly Lys Val	Pro Arg Lys
20	25	30
Asp Leu Ile	Val Met Leu Arg Asp Thr Asp Val Asn Lys	Xaa Asp Lys

35 40 45  
 Gln Lys Arg Thr Ala Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu  
 50 55 60  
 Val Val Lys Leu Xaa Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp  
 65 70 75 80  
 Asn Lys Lys Arg Thr Ala Leu Xaa Lys Ala Val Gln Cys Gln Glu Asp  
 85 90 95  
 Glu Cys Ala Leu Met Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro  
 100 105 110  
 Asp Glu Tyr Gly Asn Thr Thr Leu His Tyr Ala Xaa Tyr Asn Glu Asp  
 115 120 125  
 Lys Leu Met Ala Lys Ala Leu Leu Tyr Gly Ala Asp Ile Glu Ser  
 130 135 140  
 Lys Asn Lys Val  
 145

<210> 378  
 <211> 1719  
 <212> PRT  
 <213> Homo sapien

<400> 378  
 Met Val Val Glu Val Asp Ser Met Pro Ala Ala Ser Ser Val Lys Lys  
 1 5 10 15  
 Pro Phe Gly Leu Arg Ser Lys Met Gly Lys Trp Cys Cys Arg Cys Phe  
 20 25 30  
 Pro Cys Cys Arg Glu Ser Gly Lys Ser Asn Val Gly Thr Ser Gly Asp  
 35 40 45  
 His Asp Asp Ser Ala Met Lys Thr Leu Arg Ser Lys Met Gly Lys Trp  
 50 55 60  
 Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Val  
 65 70 75 80  
 Gly Ala Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr Leu Arg Asn  
 85 90 95  
 Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser  
 100 105 110  
 Gly Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp Asp Ser Ala Phe  
 115 120 125  
 Met Glu Pro Arg Tyr His Val Arg Gly Glu Asp Leu Lys Lys Leu His  
 130 135 140  
 Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met  
 145 150 155 160  
 Leu Arg Asp Thr Asp Val Asn Lys Lys Asp Lys Gln Lys Arg Thr Ala  
 165 170 175  
 Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Lys Leu Leu  
 180 185 190  
 Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr  
 195 200 205  
 Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Ala Leu Met  
 210 215 220  
 Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly Asn  
 225 230 235 240  
 Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys  
 245 250 255  
 Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys His Gly  
 260 265 270  
 Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val Val  
 275 280 285

Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr  
 290 295 300  
 Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile  
 305 310 315 320  
 Val Ser Leu Leu Leu Glu Gln Asn Ile Asp Val Ser Ser Gln Asp Leu  
 325 330 335  
 Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His Val  
 340 345 350  
 Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys Ile  
 355 360 365  
 Ser Ser Glu Asn Ser Asn Pro Glu Asn Val Ser Arg Thr Arg Asn Lys  
 370 375 380  
 Pro Arg Thr His Met Val Val Glu Val Asp Ser Met Pro Ala Ala Ser  
 385 390 395 400  
 Ser Val Lys Lys Pro Phe Gly Leu Arg Ser Lys Met Gly Lys Trp Cys  
 405 410 415  
 Cys Arg Cys Phe Pro Cys Cys Arg Glu Ser Gly Lys Ser Asn Val Gly  
 420 425 430  
 Thr Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr Leu Arg Ser Lys  
 435 440 445  
 Met Gly Lys Trp Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly  
 450 455 460  
 Lys Ser Asn Val Gly Ala Ser Gly Asp His Asp Asp Ser Ala Met Lys  
 465 470 475 480  
 Thr Leu Arg Asn Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys  
 485 490 495  
 Cys Arg Gly Ser Gly Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp  
 500 505 510  
 Asp Ser Ala Phe Met Glu Pro Arg Tyr His Val Arg Gly Glu Asp Leu  
 515 520 525  
 Asp Lys Leu His Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp  
 530 535 540  
 Leu Ile Val Met Leu Arg Asp Thr Asp Val Asn Lys Lys Asp Lys Gln  
 545 550 555 560  
 Lys Arg Thr Ala Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val  
 565 570 575  
 Val Lys Leu Leu Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn  
 580 585 590  
 Lys Lys Arg Thr Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu  
 595 600 605  
 Cys Ala Leu Met Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp  
 610 615 620  
 Glu Tyr Gly Asn Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys  
 625 630 635 640  
 Leu Met Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys  
 645 650 655  
 Asn Lys His Gly Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys  
 660 665 670  
 Gln Gln Val Val Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala  
 675 680 685  
 Leu Asp Arg Tyr Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly  
 690 695 700  
 Ser Ala Ser Ile Val Ser Leu Leu Leu Glu Gln Asn Ile Asp Val Ser  
 705 710 715 720  
 Ser Gln Asp Leu Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser  
 725 730 735  
 His His His Val Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln  
 740 745 750

Met Leu Lys Ile Ser Ser Glu Asn Ser Asn Pro Glu Gln Asp Leu Lys  
 755 760 765  
 Leu Thr Ser Glu Glu Glu Ser Gln Arg Phe Lys Gly Ser Glu Asn Ser  
 770 775 780  
 Gln Pro Glu Lys Met Ser Gln Glu Pro Glu Ile Asn Lys Asp Gly Asp  
 785 790 795 800  
 Arg Glu Val Glu Glu Glu Met Lys Lys His Glu Ser Asn Asn Val Gly  
 805 810 815  
 Leu Leu Glu Asn Leu Thr Asn Gly Val Thr Ala Gly Asn Gly Asp Asn  
 820 825 830  
 Gly Leu Ile Pro Gln Arg Lys Ser Arg Thr Pro Glu Asn Gln Gln Phe  
 835 840 845  
 Pro Asp Asn Glu Ser Glu Glu Tyr His Arg Ile Cys Glu Leu Val Ser  
 850 855 860  
 Asp Tyr Lys Glu Lys Gln Met Pro Lys Tyr Ser Ser Glu Asn Ser Asn  
 865 870 875 880  
 Pro Glu Gln Asp Leu Lys Leu Thr Ser Glu Glu Glu Ser Gln Arg Leu  
 885 890 895  
 Glu Gly Ser Glu Asn Gly Gln Pro Glu Leu Glu Asn Phe Met Ala Ile  
 900 905 910  
 Glu Glu Met Lys Lys His Gly Ser Thr His Val Gly Phe Pro Glu Asn  
 915 920 925  
 Leu Thr Asn Gly Ala Thr Ala Gly Asn Gly Asp Asp Gly Leu Ile Pro  
 930 935 940  
 Pro Arg Lys Ser Arg Thr Pro Glu Ser Gln Gln Phe Pro Asp Thr Glu  
 945 950 955 960  
 Asn Glu Glu Tyr His Ser Asp Glu Gln Asn Asp Thr Gln Lys Gln Phe  
 965 970 975  
 Cys Glu Glu Gln Asn Thr Gly Ile Leu His Asp Glu Ile Leu Ile His  
 980 985 990  
 Glu Glu Lys Gln Ile Glu Val Val Glu Lys Met Asn Ser Glu Leu Ser  
 995 1000 1005  
 Leu Ser Cys Lys Lys Glu Lys Asp Ile Leu His Glu Asn Ser Thr Leu  
 1010 1015 1020  
 Arg Glu Glu Ile Ala Met Leu Arg Leu Glu Leu Asp Thr Met Lys His  
 1025 1030 1035 1040  
 Gln Ser Gln Leu Pro Arg Thr His Met Val Val Glu Val Asp Ser Met  
 1045 1050 1055  
 Pro Ala Ala Ser Ser Val Lys Lys Pro Phe Gly Leu Arg Ser Lys Met  
 1060 1065 1070  
 Gly Lys Trp Cys Cys Arg Cys Phe Pro Cys Cys Arg Glu Ser Gly Lys  
 1075 1080 1085  
 Ser Asn Val Gly Thr Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr  
 1090 1095 1100  
 Leu Arg Ser Lys Met Gly Lys Trp Cys Arg His Cys Phe Pro Cys Cys  
 1105 1110 1115 1120  
 Arg Gly Ser Gly Lys Ser Asn Val Gly Ala Ser Gly Asp His Asp Asp  
 1125 1130 1135  
 Ser Ala Met Lys Thr Leu Arg Asn Lys Met Gly Lys Trp Cys Cys His  
 1140 1145 1150  
 Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Lys Val Gly Ala Trp  
 1155 1160 1165  
 Gly Asp Tyr Asp Asp Ser Ala Phe Met Glu Pro Arg Tyr His Val Arg  
 1170 1175 1180  
 Gly Glu Asp Leu Asp Lys Leu His Arg Ala Ala Trp Trp Gly Lys Val  
 1185 1190 1195 1200  
 Pro Arg Lys Asp Leu Ile Val Met Leu Arg Asp Thr Asp Val Asn Lys  
 1205 1210 1215

Lys Asp Lys Gln Lys Arg Thr Ala Leu His Leu Ala Ser Ala Asn Gly  
 1220 1225 1230  
 Asn Ser Glu Val Val Lys Leu Leu Leu Asp Arg Arg Cys Gln Leu Asn  
 1235 1240 1245  
 Val Leu Asp Asn Lys Lys Arg Thr Ala Leu Ile Lys Ala Val Gln Cys  
 1250 1255 1260  
 Gln Glu Asp Glu Cys Ala Leu Met Leu Leu Glu His Gly Thr Asp Pro  
 1265 1270 1275 1280  
 Asn Ile Pro Asp Glu Tyr Gly Asn Thr Thr Leu His Tyr Ala Ile Tyr  
 1285 1290 1295  
 Asn Glu Asp Lys Leu Met Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp  
 1300 1305 1310  
 Ile Glu Ser Lys Asn Lys His Gly Leu Thr Pro Leu Leu Leu Gly Val  
 1315 1320 1325  
 His Glu Gln Lys Gln Gln Val Val Lys Phe Leu Ile Lys Lys Lys Ala  
 1330 1335 1340  
 Asn Leu Asn Ala Leu Asp Arg Tyr Gly Arg Thr Ala Leu Ile Leu Ala  
 1345 1350 1355 1360  
 Val Cys Cys Gly Ser Ala Ser Ile Val Ser Leu Leu Leu Glu Gln Asn  
 1365 1370 1375  
 Ile Asp Val Ser Ser Gln Asp Leu Ser Gly Gln Thr Ala Arg Glu Tyr  
 1380 1385 1390  
 Ala Val Ser Ser His His His Val Ile Cys Gln Leu Leu Ser Asp Tyr  
 1395 1400 1405  
 Lys Glu Lys Gln Met Leu Lys Ile Ser Ser Glu Asn Ser Asn Pro Glu  
 1410 1415 1420  
 Gln Asp Leu Lys Leu Thr Ser Glu Glu Glu Ser Gln Arg Phe Lys Gly  
 1425 1430 1435 1440  
 Ser Glu Asn Ser Gln Pro Glu Lys Met Ser Gln Glu Pro Glu Ile Asn  
 1445 1450 1455  
 Lys Asp Gly Asp Arg Glu Val Glu Glu Glu Met Lys Lys His Glu Ser  
 1460 1465 1470  
 Asn Asn Val Gly Leu Leu Glu Asn Leu Thr Asn Gly Val Thr Ala Gly  
 1475 1480 1485  
 Asn Glu Asp Asn Gly Leu Ile Pro Gln Arg Lys Ser Arg Thr Pro Glu  
 1490 1495 1500  
 Asn Gln Gln Phe Pro Asp Asn Glu Ser Glu Glu Tyr His Arg Ile Cys  
 1505 1510 1515 1520  
 Glu Leu Val Ser Asp Tyr Lys Glu Lys Gln Met Pro Lys Tyr Ser Ser  
 1525 1530 1535  
 Glu Asn Ser Asn Pro Glu Gln Asp Leu Lys Leu Thr Ser Glu Glu Glu  
 1540 1545 1550  
 Ser Gln Arg Leu Glu Gly Ser Glu Asn Gly Gln Pro Glu Lys Arg Ser  
 1555 1560 1565  
 Gln Glu Pro Glu Ile Asn Lys Asp Gly Asp Arg Glu Leu Glu Asn Phe  
 1570 1575 1580  
 Met Ala Ile Glu Glu Met Lys Lys His Gly Ser Thr His Val Gly Phe  
 1585 1590 1595 1600  
 Pro Glu Asn Leu Thr Asn Gly Ala Thr Ala Gly Asn Gly Asp Asp Gly  
 1605 1610 1615  
 Leu Ile Pro Pro Arg Lys Ser Arg Thr Pro Glu Ser Gln Gln Phe Pro  
 1620 1625 1630  
 Asp Thr Glu Asn Glu Glu Tyr His Ser Asp Glu Gln Asn Asp Thr Gln  
 1635 1640 1645  
 Lys Gln Phe Cys Glu Glu Gln Asn Thr Gly Ile Leu His Asp Glu Ile  
 1650 1655 1660  
 Leu Ile His Glu Glu Lys Gln Ile Glu Val Val Glu Lys Met Asn Ser  
 1665 1670 1675 1680

Glu Leu Ser Leu Ser Cys Lys Lys Glu Lys Asp Ile Leu His Glu Asn  
 1685 1690 1695  
 Ser Thr Leu Arg Glu Glu Ile Ala Met Leu Arg Leu Glu Leu Asp Thr  
 1700 1705 1710  
 Met Lys His Gln Ser Gln Leu  
 1715

<210> 379  
 <211> 656  
 <212> PRT  
 <213> Homo sapien

<400> 379  
 Met Val Val Glu Val Asp Ser Met Pro Ala Ala Ser Ser Val Lys Lys  
 1 5 10 15  
 Pro Phe Gly Leu Arg Ser Lys Met Gly Lys Trp Cys Cys Arg Cys Phe  
 20 25 30  
 Pro Cys Cys Arg Glu Ser Gly Lys Ser Asn Val Gly Thr Ser Gly Asp  
 35 40 45  
 His Asp Asp Ser Ala Met Lys Thr Leu Arg Ser Lys Met Gly Lys Trp  
 50 55 60  
 Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Val  
 65 70 75 80  
 Gly Ala Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr Leu Arg Asn  
 85 90 95  
 Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser  
 100 105 110  
 Gly Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp Asp Ser Ala Phe  
 115 120 125  
 Met Glu Pro Arg Tyr His Val Arg Gly Glu Asp Leu Asp Lys Leu His  
 130 135 140  
 Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met  
 145 150 155 160  
 Leu Arg Asp Thr Asp Val Asn Lys Lys Asp Lys Gln Lys Arg Thr Ala  
 165 170 175  
 Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Lys Leu Leu  
 180 185 190  
 Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr  
 195 200 205  
 Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Ala Leu Met  
 210 215 220  
 Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly Asn  
 225 230 235 240  
 Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys  
 245 250 255  
 Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys His Gly  
 260 265 270  
 Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val Val  
 275 280 285  
 Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr  
 290 295 300  
 Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile  
 305 310 315 320  
 Val Ser Leu Leu Leu Glu Gln Asn Ile Asp Val Ser Ser Gln Asp Leu  
 325 330 335  
 Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His His Val  
 340 345 350  
 Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys Ile



Ser	355	Glu	Asn	Ser	Asn	Pro	Glu	Gln	Asp	Leu	Lys	Leu	Thr	Ser	Glu	360	365
370																	
Glu	Glu	Ser	Gln	Arg	Phe	Lys	Gly	Ser	Glu	Asn	Asn	Ser	Gln	Pro	Glu	Lys	
385					390					395							400
Met	Ser	Gln	Glu	Pro	Glu	Ile	Asn	Lys	Asp	Gly	Asp	Arg	Glu	Val	Glu		
				405					410						415		
Glu	Glu	Met	Lys	Lys	His	Glu	Ser	Asn	Asn	Val	Gly	Leu	Leu	Glu	Asn		
			420						425					430			
Leu	Thr	Asn	Gly	Val	Thr	Ala	Gly	Asn	Gly	Asp	Asn	Gly	Leu	Ile	Pro		
			435				440					445					
Gln	Arg	Lys	Ser	Arg	Thr	Pro	Glu	Asn	Gln	Gln	Phe	Pro	Asp	Asn	Glu		
			450			455					460						
Ser	Glu	Glu	Tyr	His	Arg	Ile	Cys	Glu	Leu	Val	Ser	Asp	Tyr	Lys	Glu		
			465		470					475					480		
Lys	Gln	Met	Pro	Lys	Tyr	Ser	Ser	Glu	Asn	Ser	Asn	Pro	Glu	Gln	Asp		
				485					490					495			
Leu	Lys	Leu	Thr	Ser	Glu	Glu	Glu	Ser	Gln	Arg	Leu	Glu	Gly	Ser	Glu		
			500					505					510				
Asn	Gly	Gln	Pro	Glu	Leu	Glu	Asn	Phe	Met	Ala	Ile	Glu	Glu	Met	Lys		
			515				520					525					
Lys	His	Gly	Ser	Thr	His	Val	Gly	Phe	Pro	Glu	Asn	Leu	Thr	Asn	Gly		
			530			535					540						
Ala	Thr	Ala	Gly	Asn	Gly	Asp	Asp	Gly	Leu	Ile	Pro	Pro	Arg	Lys	Ser		
			545		550				555						560		
Arg	Thr	Pro	Glu	Ser	Gln	Gln	Phe	Pro	Asp	Thr	Glu	Asn	Glu	Glu	Tyr		
			565						570					575			
His	Ser	Asp	Glu	Gln	Asn	Asp	Thr	Gln	Lys	Gln	Phe	Cys	Glu	Glu	Gln		
			580					585					590				
Asn	Thr	Gly	Ile	Leu	His	Asp	Glu	Ile	Leu	Ile	His	Glu	Glu	Lys	Gln		
			595				600				605						
Ile	Glu	Val	Val	Glu	Lys	Met	Asn	Ser	Glu	Leu	Ser	Leu	Ser	Cys	Lys		
			610		615						620						
Lys	Glu	Lys	Asp	Ile	Leu	His	Glu	Asn	Ser	Thr	Leu	Arg	Glu	Glu	Ile		
			625		630					635					640		
Ala	Met	Leu	Arg	Leu	Glu	Leu	Asp	Thr	Met	Lys	His	Gln	Ser	Gln	Leu		
			645						650					655			

<210> 380

<211> 671

<212> PRT

<213> Homo sapien

<400> 380

Met	Val	Val	Glu	Val	Asp	Ser	Met	Pro	Ala	Ala	Ser	Ser	Val	Lys	Lys
1				5				10					15		
Pro	Phe	Gly	Leu	Arg	Ser	Lys	Met	Gly	Lys	Trp	Cys	Cys	Arg	Cys	Phe
			20					25					30		
Pro	Cys	Cys	Arg	Glu	Ser	Gly	Lys	Ser	Asn	Val	Gly	Thr	Ser	Gly	Asp
			35				40					45			
His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Ser	Lys	Met	Gly	Lys	Trp
	50					55					60				
Cys	Arg	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	Ser	Gly	Lys	Ser	Asn	Val
	65				70				75					80	
Gly	Ala	Ser	Gly	Asp	His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Asn
				85				90					95		
Lys	Met	Gly	Lys	Trp	Cys	Cys	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	Ser
			100					105					110		

Gly Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp Asp Ser Ala Phe  
 115 120 125  
 Met Glu Pro Arg Tyr His Val Arg Gly Glu Asp Leu Asp Lys Leu His  
 130 135 140  
 Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met  
 145 150 155 160  
 Leu Arg Asp Thr Asp Val Asn Lys Lys Asp Lys Gln Lys Arg Thr Ala  
 165 170 175  
 Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Lys Leu Leu  
 180 185 190  
 Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr  
 195 200 205  
 Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Ala Leu Met  
 210 215 220  
 Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly Asn  
 225 230 235 240  
 Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys  
 245 250 255  
 Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys His Gly  
 260 265 270  
 Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val Val  
 275 280 285  
 Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr  
 290 295 300  
 Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile  
 305 310 315 320  
 Val Ser Leu Leu Leu Glu Gln Asn Ile Asp Val Ser Ser Gln Asp Leu  
 325 330 335  
 Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His Val  
 340 345 350  
 Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys Ile  
 355 360 365  
 Ser Ser Glu Asn Ser Asn Pro Glu Gln Asp Leu Lys Leu Thr Ser Glu  
 370 375 380  
 Glu Glu Ser Gln Arg Phe Lys Gly Ser Glu Asn Ser Gln Pro Glu Lys  
 385 390 395 400  
 Met Ser Gln Glu Pro Glu Ile Asn Lys Asp Gly Asp Arg Glu Val Glu  
 405 410 415  
 Glu Glu Met Lys Lys His Glu Ser Asn Asn Val Gly Leu Leu Glu Asn  
 420 425 430  
 Leu Thr Asn Gly Val Thr Ala Gly Asn Gly Asp Asn Gly Leu Ile Pro  
 435 440 445  
 Gln Arg Lys Ser Arg Thr Pro Glu Asn Gln Gln Phe Pro Asp Asn Glu  
 450 455 460  
 Ser Glu Glu Tyr His Arg Ile Cys Glu Leu Val Ser Asp Tyr Lys Glu  
 465 470 475 480  
 Lys Gln Met Pro Lys Tyr Ser Ser Glu Asn Ser Asn Pro Glu Gln Asp  
 485 490 495  
 Leu Lys Leu Thr Ser Glu Glu Glu Ser Gln Arg Leu Glu Gly Ser Glu  
 500 505 510  
 Asn Gly Gln Pro Glu Lys Arg Ser Gln Glu Pro Glu Ile Asn Lys Asp  
 515 520 525  
 Gly Asp Arg Glu Leu Glu Asn Phe Met Ala Ile Glu Glu Met Lys Lys  
 530 535 540  
 His Gly Ser Thr His Val Gly Phe Pro Glu Asn Leu Thr Asn Gly Ala  
 545 550 555 560  
 Thr Ala Gly Asn Gly Asp Asp Gly Leu Ile Pro Pro Arg Lys Ser Arg  
 565 570 575

Thr Pro Glu Ser Gln Gln Phe Pro Asp Thr Glu Asn Glu Glu Tyr His  
 580 585 590  
 Ser Asp Glu Gln Asn Asp Thr Gln Lys Gln Phe Cys Glu Glu Gln Asn  
 595 600 605  
 Thr Gly Ile Leu His Asp Glu Ile Leu Ile His Glu Glu Lys Gln Ile  
 610 615 620  
 Glu Val Val Glu Lys Met Asn Ser Glu Leu Ser Leu Ser Cys Lys Lys  
 625 630 635 640  
 Glu Lys Asp Ile Leu His Glu Asn Ser Thr Leu Arg Glu Glu Ile Ala  
 645 650 655  
 Met Leu Arg Leu Glu Leu Asp Thr Met Lys His Gln Ser Gln Leu  
 660 665 670

&lt;210&gt; 381

&lt;211&gt; 251

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 381

ggagaagcgt ctgctggggc aggaagggggt ttccctgcc tctcacctgt ccctcaccaa 60  
 ggtaacatgc ttccctaag ggtatcccaa cccaggggcc tcaccatgac ctctagaggg 120  
 ccaatatccc agggagaagca ttggggaggt gggggcaggt gaaggaccca gaactcacac 180  
 atctggggcc tccaaggcag aggagaggggt cctcaagaag gtcaggagga aaatccgtaa 240  
 caagcatgca g 251

&lt;210&gt; 382

&lt;211&gt; 3279

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 382

cttctcgcag ccccatgct ggtgaggggc acgggcagga acagtggacc caacatggaa 60  
 atgctggagg gtgctaggaa gtgatcgggc tctggggcag ggaggagggg tggggaggtg 120  
 cactggggagg ggacatcctg cagaaggtag gagtgcagca acaccgctg caggggaggg 180  
 gagagccctg cggcacctgg gggagcagag ggagcagcac ctgccagggc ctggggaggag 240  
 gggcctggag ggcgtgagga ggagcgagg ggctgcatgg ctggagttag ggcacggggg 300  
 caggggcgca gatggcctca cacagggaag agaggggccc tcttgcaagg cctcacctgg 360  
 gccacaggag gacactgctt ttctctgtag gagtgcaggag ctgtggatgg tgcgtgacag 420  
 aagaagagca gggcctggct cagggttcca gaggctgtcg ctggcttccc ttgggagatc 480  
 gactgcaggg agggaggcgc gcagggttgg ggggggagtg ggggggagtg gacactgggg 540  
 gtggctccag gccttggccc tgccctgggccc ctacccagc ctccctcaca gtctcctggc 600  
 cctcagtcct tccctccac tccatcctcc atctggcctc agtgggtcat tctgatcact 660  
 gaactgacca tacccagccc tgcccacggc cctccatggc tcccacatgc cctggagagg 720  
 ggacatctag tcagagagta gtccctgaaga ggtggcctct gcgatgtgcc tgtgggggca 780  
 gcatcctgca gattgtcccg gccctcatcc tctgcaggga ctgtcctcct 840  
 ggacccttgc ccttgtgcag gactgtggacc ctgaaagtcct ccccccatag gccaaagactg 900  
 gagcctgtgt cctctgtgtg gactcctctg ccatattctt ctctctcagt gttctggaga 960  
 catttctgtc tgttctctgag agctgggaat tgctctcagt catctgcctg cgcggttctg 1020  
 agatctggag ttgcctaggc agttatttgg gccaatcttt ctcaactgtg ctctcctcct 1080  
 ttacccttag ggtgatctg ggggtccact tgcctgtaat ggtgtgcttc aaggtatcac 1140  
 atcatcgggc cctgagccat gtgcctggcc tgaaaagcct cgtgtgtaca ccaaggtggt 1200  
 gcattaccgg aagtggatca aggacacat ccagcccaac ccttgagtgc cctgtctcca 1260  
 cccctacctc tctaataatt aagtccacct cactgtctgg catcacttgg cctttctgga 1320  
 tgtggaacac tgaagcctg gaactcaact ggcgaagct cgagcctcct gactcctact 1380  
 gacctgtgct ttctggtgtg gactccaggg ctgctaggaa aaggaatggg cagacacagg 1440  
 tgtatgccaa tgtttctgaa atgggtataa ttctgtcctc tccttcggga cactggctgt 1500  
 ctctgaagac ttctcgtcca gtttcagta ggaacacac aaagacgtgg gtgaccatgt 1560  
 tgtttgtggg gtgcagagat gggaggggtg gggccaccc tggaaagagt gacagtgaca 1620

caaggtggac	actctctaca	gatcactgag	gataagcttg	agccacaatg	catgaggcac	1680
acacacaaag	aggttgacgc	tgtaaacata	gccacccttg	tctgtggggc	actgggaagc	1740
ctagataaag	cgctgacgac	aaagaagggg	agatgcctcg	tgtttgtgtg	aagggtggagc	1800
taggggagac	aactgaaagc	tgtataatta	caggagtggtt	tctgacgttc	ccccaaaccac	1860
ctgcagattt	gatgatttcc	gatgaggact	tacagaataa	aagagctatc	atgctgtgtg	1920
ttattattggt	ttgttacatt	gatagggatac	atactgaaat	cagcaaacaa	aacagatgtg	1980
tagatataag	ttgtggagaa	acagaggaaa	actctgcagt	acgaagactg	gcaacttgctg	2040
tttctaactg	tttcagata	gcaggaatgc	aaacctataa	ggctgaggac	cttgtggagt	2100
tgatcttgat	cagctgatag	ctgaactagc	caggttgggg	cccttccctt	tgagtggggg	2160
gcatactcga	cgatttatct	acccaagttg	agacttcacg	acagatcata	attctccctg	2220
caagtagtga	tgataatatg	tacaaaggta	tttccaactg	ggaagctcac	ctgatcctta	2280
gtgtccaggc	ttttttctgt	gggtctgtag	gacagytatg	gagacttaca	ataattgacc	2340
tgaagtcttc	agacctgagg	ttccctagag	ttcacaacga	tacagatctg	tccagagact	2400
cagatgtcga	aaaaacggga	ttcatcacaa	atccctatgt	tagcatgaag	ggctctggat	2460
ggcccaagcg	ccccagata	tcaaggcact	tgggcagaac	atgccagaag	atcacaatgtc	2520
atctcccagg	agttattcaac	gggtgagccc	ttactctggg	attgtacagg	tttgagcagt	2580
cgagggtctg	tgagtcaccc	ttttattgtg	caggggatga	gggaagaggga	gaggatgagg	2640
aagcccccct	ggggatttgg	ttgtgtcttg	tgcagtgggt	gtctatgggtg	ctatccctcac	2700
aaagaagaag	caggaatatg	gggcacattt	aggaaatgata	ctgacgccaa	agagcatcca	2760
attatgttgt	tatttgcctt	cttttcaacac	actctgtgag	ggagggatga	ccacccctgg	2820
gtctgaaga	tggttgaaCa	ccccacacat	agcacccgga	atatgatagt	aacagtttct	2880
tagccataca	gattcacacg	ccagaggaag	aggacgtctg	accacatgca	ggatgacatg	2940
ggggattgcgc	togggatttg	tgtgaagaag	caggaactgt	tagagagcgt	ctttatagta	3000
acaagagcgt	gggtgcaaat	ctgatttccg	tgggggaaatg	tcattgtgtt	gctttactaa	3060
ctttgtgagac	tgcaggatga	tgaaaactat	tagtctgaga	accttctgga	atgcagctga	3120
cccatgtgat	agaggaagta	gcgaggtgtg	agcctttccc	attgggtgtg	ggacatatct	3180
ggcaagtgat	tgttggaact	ctgtgtcacg	atactgggtg	agcaataaaa	actgaatctt	3240
gttttccagc	ctttaaaaaa	aaataaaaaa	taaaaaggtt			3279

```
<210> 383
<211> 154
<212> PRT
<213> Homo sapiens
```

<400> 383  
Met Ala Gly Val Arg Asp Gln Gly Gln Gly Ala Arg Trp Pro His Thr  
5 10 15

Gly Lys Arg Gly Pro Leu Leu Gln Gly Leu Thr Trp Ala Thr Gly Gly  
20 25 30

His Cys Phe Ser Ser Glu Glu Ser Gly Ala Val Asp Gly Ala Gly Gln  
35 40 45

Lys Lys Asp Arg Ala Trp Leu Arg Cys Pro Glu Ala Val Ala Gly Phe  
50 55 60

Pro Leu Gly Ser Asp Cys Arg Glu Gly Gly Arg Gln Gly Cys Gly Gly  
65 70 75 80

Ser Asp Asp Glu Asp Asp Leu Gly Val Ala Pro Gly Leu Ala Pro Ala  
85 90 95

Trp Ala Leu Thr Gln Pro Pro Ser Gln Ser Pro Gly Pro Gln Ser Leu  
100 105 110

Pro Ser Thr Pro Ser Ser Ile Trp Pro Gln Trp Val Ile Leu Ile Thr  
115 120 125

Glu Leu Thr Ile Pro Ser Pro Ala His Gly Pro Pro Trp Leu Pro Asn  
 130 135 140

Ala Leu Glu Arg Gly His Leu Val Arg Glu  
 145 150

<210> 384  
 <211> 557  
 <212> DNA  
 <213> Homo sapiens

<400> 384  
 ggatccctcta gaggcgccgc ctactactac taaattcgcg gccgcgtcga cgaagaagag 60  
 aaagatgtgt ttgtttttgg actctctgtg gtcccttcca atgctgtggg ttccaacca 120  
 ggggaagggt ccccttttgc ttgccaaagt ccataacact gaggcactact ctaccatggt 180  
 tctgcctcct gcccaagcag gctggtttgc aagaatgaaa tgaatgattc gtgcacatgc 300  
 acctaacctt gaaatggaaa gtcttgcaat cccatttgca ggaatccgtct gtgcacatgc 360  
 ctctgtagag agcagcattc ccagggacct tggaaacagt tggcactgta aggtgcttgc 420  
 tccccaagac acatccctaaa aggtgtttgta atggtgaaaa cgtcttcctt ctttatgtcc 480  
 cctctctatt tatgtgaaca actgtttgtc tttttttgta tcttttttaa actgtaaaat 540  
 tcaattgtga aatgaatat catgcaaata aattatgcga ttttttttcc aaagtataaa 557  
 aaaaaaaaaa aaaaaaa

<210> 385  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 385  
 ttcccagggt atgtgcgagg gaagacacat ttactatcct tgatggggct gattccttta 60  
 gtttctctag cagcagatgg gttaggagga agtgacccaa gtggttgact cctatgtgca 120  
 tctcaaaacc atctgctgtc ttcgagtacg gacacatcat cactcctgca ttgtgtatca 180  
 aaacgtggag gtgcttttcc tcagctaaga agcccttagc aaaagctcga atagacttag 240  
 tatcacagag gtccagtttc cgcaccaaca cctgctgggt ccctgtcgtg gtctggatct 300  
 ctttggccac caattccccc ttttccacat cccggca 337

<210> 386  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 386  
 gggcccgcta ccggcccgag ccccgccctc cgagtcctcc tcccgggggt cctgcccgca 60  
 gccgcctcgg ccagagggt gggcgcgagg ctgcctctac cggctggcgg ctgtaactca 120  
 gcgaccttgg ccgcaaggct ctagcaagga ccacccgacc ccagcccggg cggcgcgagg 180  
 gcggaacttg cccggtgtgt gggcgcgagg ggaactgcgt tccgcggacg ggcagcgaag 240  
 atgttagcct tcgctgccag gaccgtggac cgatccaggg gctgtgggtg aacctcagcc 300

<210> 387  
 <211> 537  
 <212> DNA  
 <213> Homo sapiens

<400> 387  
 gggccgagtc gggcaccag ggactctttg caggcttctt tctcgggac atcaaggctg 60  
 cccctcctcg tgccatcatg atcagcacct atgagttcgg caaaagcttc ttccagaggc 120

```

tgaaccagga cgggcttctg ggcggctgaa aggggcaagg aggcaaggac cccgtctctc 180
ccacggatgg ggagagggca ggaggagacc cagccaagtg ccttttcttc agcactgagg 240
gagggggctt gtttcccttc cctcccgcg acaagtctca gggcagggct gtccctctgg 300
ggcgcccgac acttctctcg acacaaatct tctctgctgc tccagtcgtg gggatcatca 360
cttaccaccc ccccaagttc aagacaaaat ctccagctg ccccttctgt gtttccctgt 420
gtttgctgtg gctgggcatg tctccaggaa ccaagaagcc ctacgctctg tgtagtctcc 480
ctgacccttg ttaattctct aagtctaaag atgatgaact tcaaaaaaaa aaaaaaaa 577

```

```

<210> 388
<211> 520
<212> DNA
<213> Homo sapiens

```

```

<400> 388
aggataattt ttaaccaat caaatgaaaa aaacaaacaa aaaaaaagg aaatgtcatg 60
tgagggttaa ccagtttgca tccccctaat gtggaaaaag taaggaggact actcagcact 120
gtttgaagat tgccctctct acagcttctg agaattgtgt tatttcaact gccaaagtga 180
ggacccccct cccaacatgc ccagccccc cctaagcat ggtcccttgt caccaggcaa 240
ccaggaaact gctactttgt gacctcacca gagaccagga gggtttgggt agctcacagg 300
acttccccca cccagagaaga ttagcatccc atactagact cactactaac tcaactaggc 360
tcactactca ttgatgtgta ttagacaatt ccatttcttt ctggttatta taacacagaaa 420
atctttcttc ttctcattac cagtaaaagg tcttggtatc ttctgttgg aatgatttct 480
atgaacttgt cttattttaa tgggtgggtt ttttcttgtt 520

```

```

<210> 389
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<400> 389
cgttgcccc gtttgacaga aggaaggcgg gagcttattc aaagtctaga gggagtgagg 60
gagttaaggc tggatttcag atctgcctgg ttccagccgc agtgtgccct ctgctcccc 120
aacgactttc caaataatct caccagcgcc ttccagctca ggcgtcctag aagcgtcttg 180
aagcctatgg ccagctgtct ttgtgttccc tctcaccgcg ctgtctctac agctgagact 240
ccaggaagac ctccagacta ccttctctct ccttcagcaa gggcgcttgc ccacattctc 300
tgagggtcag tggaagaacc tagactccca ttgctagagg tagaaagggg aagggtgctg 360
gggag 365

```

```

<210> 390
<211> 221
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(221)
<223> n = A,T,C or G

```

```

<400> 390
tgctctctca tcttggcccc gacttctctg tcaggaaagt ggggatggac cccatctgca 60
tacacgnttt ctcatgggtg tggaacatct ctgcttgcgg ttccaggaag cctcttggtc 120
gctctangan gctgancnga ntctgtgcc cantntgaca naaggaaagg cggagcttat 180
tcaaagtcta gagggagtgg aggagttaag gctggatttc a 221

```

```

<210> 391
<211> 325
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc\_feature  
 <222> (1)...(325)  
 <223> n = A,T,C or G

<400> 391  
 tggagcaggt cccgagcgct ccctagagcc tggggccgac tctgtgncga tgcangcttt 60  
 ctctcgcgcc cagcctggag ctgctcctgg catctaccaa caatcagncg agcgagagcg 120  
 tagccagggc actgctgcc aacgccaagt cnnatccat catgtnaccc ggtgngctct 180  
 naantngat ntccanagcc ctaccatcct tagttctgct ctcccaccgg ntaccagccc 240  
 cactgccag gaatcctaca gccagtacc tgtcccgag tctctaccta ccgagtacgat 300  
 gagacctccg gctactacta tgacc 325

<210> 392  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(277)  
 <223> n = A,T,C or G

<400> 392  
 atattgttta actccttctt ttatatcttt taacattttc atggngaaag gttcacatct 60  
 agtctcaact ngcncagngn ctctacttg agtctctcc ccggcctggn ccaatngnaa 120  
 antaccanga accgncatgn ctaaanaacn nctgggttn tgggttntc aatgactgca 180  
 tgcagtgcac caccctgtcc actacgtgat gctgtaggat taaagtctca cagtggcgcg 240  
 ctgaggatac agcgccgcgt cctgtgttgc tggggaa 277

<210> 393  
 <211> 566  
 <212> DNA  
 <213> Homo sapiens

<400> 393  
 actagtccag tgtgttggaa ttcgcggcgg cgtcgacgga caggtcagct gctctggctca 60  
 gtgactcaca ttctgaagtt gtctgaaat gtcttcatga ttaaatcag cctaaccggt 120  
 ttgcggggaa cactgcagag acaatgctgt gagtttccaa ccttagccca ctgcgggca 180  
 gagaaggtct agttgttcca tcagcattat catgatata ggactgggtta cttgggttaag 240  
 gagggttcta ggagatctgt cctttttaga gacaccttac ttataatgaa gtatttggga 300  
 gggtgtttt caaaagtaga aatgtcctgt attcogatga tcatcctgta aacattttat 360  
 catttattaa tcatcctgc ctgtgtctat tattatatc atatctctac gctggaaact 420  
 ttctgcctca atgtttactg tgcctttgtt tttgctagtt tgtgttgttg aaaaaaaa 480  
 cattctctgc ctgagtttta atttttgtcc aaagtattt taatctatc aattaaaagc 540  
 ttttgctat caaaaaaaa aaaaaa 566

<210> 394  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(384)  
 <223> n = A,T,C or G

```

<400> 394
gaacatacat gtccggccac ctgagctgca gtctgacatc atcgccatca cgggacctgc 60
tgcaaatting gaccgggcca aggctggact gctggagcgt gtgaaggagc tacaggccna 120
gcaggaggac cgggctttaa ggagttttaa gctgagtgct actgtagacc ccaaatacca 180
tcccaagatt atcgggagaa agggggcagt aattacccaa atccggttg agcatgacgt 240
gaacatccag tttctgata aggaagatgg gaaccagccc caggaccaaa ttaccatcac 300
aggttacgaa aagaacacag aagctgccag ggatgtata ctgagaattg tgggtgaact 360
tgagcagatg gtttctgag acgt 384

```

```

<210> 395
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<400> 395
ggcaaaactg tgtgacctca ataagacctc gcagatccaa ggtcaagtat cagaagtgc 60
tctgaccttg gactccaaga cctacatcaa cagcctggct atattagatg atgagccagt 120
tatcagaggt ttcactattg cggaattgt ggagctctaa gaaatcatgg cctctgaagt 180
attcacgtct ttccagatcc ctgagttctc tatagagttg cctaaccacag gcagaattgg 240
ccagctactt gtgtcgaatt gtatcttcaa gaataccctg gccatccctt tgaatgacgt 300
caagttctct ttggaagacc tgggcatctc ctcaactcac acctctgacc atggggcagg 360
gcagcctggt gagaccatcc aatcccaaat aaaaatgcac 399

```

```

<210> 396
<211> 403
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

```

```

<400> 396
tggagttntc agtgcaaaac agccataaag cttcagtagc aaattactgt ctcacagaaa 60
gacattttca acttctgctc cagctgctga taaaacaaat catgtgttta gcttgactcc 120
agacaaggac aacctgttcc ttcataactc tctagagaaa aaaaggagtt gttagttagt 180
actaaaaaaa gtggatgaat aatctggata ttttctctaa aaagattcct tgaaacacat 240
taggaaaatg gagggcctta tgatcagaat gctagaatta gtccatttgt ctgaagcagg 300
gtttagggga gggagtgagg gataaaaaga ggaaaaaaag aagagtgaga aaacctattt 360
atcaaaagcag gtgctatcac tcaatgttag gcctctgctt ttt 403

```

```

<210> 397
<211> 100
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(100)
<223> n = A,T,C or G

```

```

<400> 397
actagtnacg tgtgtgggaa ttccggcgcc cgtcgacctc naanccatct ctagacaaa 60
tccatccccg ctctgtgttg gtnacagaat gactgacaaa 100

```

```

<210> 398
<211> 278

```



<212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1) ... (278)  
 <223> n = A,T,C or G

<400> 398  
 gcgccgcgct cgacagcagt tccgccagcg ctgccccctg ggtggggatg tgcgtgcacgc 60  
 ccaactggac: atctggaagt cagcggcctg gatgaaagag cggacttcac ctggggcgat 120  
 tcaactactgt gcctcgacca gtgaggagag ctggaccgac agcgaggtgg actcatcatg 180  
 ctccgggcag cccatccacc tgtggcagtt cctcaaggag ttgctactca agccccacag 240  
 ctatggccgc ttcattangt ggctcaacaa ggagaagg 278

<210> 399  
 <211> 298  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (298)  
 <223> n = A,T,C or G

<400> 399  
 acggaggtgg aggaagcgc cctgggatcg anaggatggg tcttgnccatt gaccnccctn 60  
 ggggtgcncg catggagcgc atggggcgcg gcttgggcca cggcatggat cgcgtgggct 120  
 cggagatcga gcgcattgggc ctggatcatgg accgcatggg ctccgtggag cgcattgggct 180  
 cggcatttga gcgcattgggc ccgctgggccc togccacat ggcctccanc attgancgca 240  
 tgggccagac catggagcgc attggtctcg gcgtggagcn catgggtgcc ggcattggg 298

<210> 400  
 <211> 548  
 <212> DNA  
 <213> Homo sapiens

<400> 400  
 acatcaacta cttcctcatt ttaaggatag gcagttccct tcatccccc ttctgcctt 60  
 gtacatgtac atgtatgaaa tttccttctc ttaccgaact ctctccacac atcacagggt 120  
 caaagaacca cagccttaga agggtaagag ggcacccat gaaatgaaat ggtgatttct 180  
 tgagtctctt ttttccacgt ttaaggggccc atggcaggag ttagagttgc gagttaagac 240  
 tgcagagggc tagagaatta ttccatacag gctttgaggc caccatgtc acctatcccg 300  
 tataccctct caccatcccc ttgtctactc tgaigccccc aagatgcaac tgggcagcta 360  
 gttggcccca taattctggg cctttgttgt ttgttttaat tacttgggca tcccaggaag 420  
 ctttccagtg atctctacc atgggcccc ctccgtggat caagccccc ccagggccctg 480  
 tcccagccc ctccgtcccc agcccacccg cttgccttgg tgcctagccc tccatttggg 540  
 agcaggtt 548

<210> 401  
 <211> 355  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (355)  
 <223> n = A,T,C or G

```

<400> 401
actgtttcca tggtatgttt ctacacattg ctacctcagt gctcctggaa acttagcttt 60
tgatgtctcc aagtagtcca ccttcattta actctttgaa actgtatcat ctttgccaag 120
taagagtggt ggcctatttc agctgctttg acaaaatgac tggctcctga cttaacgttc 180
tataaatgaa tgtgctgaag caaagtgcc atggtggcgg cgaagaagan aaagatgtgt 240
tttgtttgg actctctgtg gtcccttcca atgctgnggg ttccaacca ggggaagggt 300
cccttttcca ttgccaagtg ccataaacat gagcactact ctacatggn tctgc 355

```

```

<210> 402
<211> 407
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A, T, C or G

```

```

<400> 402
atggggcaag ctggataaag aaccaagacc cactggagta tgctgtcttc aagaaaccca 60
ttcacatgc ggtggcatcac ataggctcaa aataaaggaa tggagaaaaa tatttcaagc 120
aaatggaaaa cagaaaaaag cagggtgttc actcctactt tctgacaaaa cagactatgc 180
gaataaagat aaaaaagaga aggacattac aaagtggttc ctgacctttg ataatctca 240
ttgcttgata ccaacctggg ctgttttaat tgcccaaac aagaagataa ttgtctgagg 300
ttgtggagct tctccctcgc agagagtcgc tgatctccca aaatttggtt gagatgtaag 360
gntgattttg ctgacaacct cttttctgaa gttttactca ttcca 407

```

```

<210> 403
<211> 303
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(303)
<223> n = A, T, C or G

```

```

<400> 403
cagtatattat agccnaactg aaaagctagt agcaggcaag tctcaaatcc aggccacaaa 60
tcttaagcaa gagccatggc atggtgaaaa tgcaaaagga gagtctggcc aatctacaaa 120
tagagaacaa gacctactca gtcatgaaca aaaaggcaga caccaacatg gatctcatgg 180
gggattggat attgtaatta tagagcagga agatgacagt gatcgctcatt tggcacaaca 240
tcttaacaac gaccgaacc cattatttac ataaacctcc attcggtaac catgttgaaa 300
gga 303

```

```

<210> 404
<211> 225
<212> DNA
<213> Homo sapiens

```

```

<400> 404
aagtgtaaact tttaaaaatt tagtggattt tgaaaattct tagaggaaag taaaggaaaa 60
attgttaagt cactcattta cctttacatg gtgaaagtgc tctcttgatc ctacaaacag 120
acattttcca ctctgttttc catagttggt aagtgatca gatgtgttgg gcatgtgaa 180
ctccaagtgc ctgtgtaata aataaagtat ctttatttca ttcat 225

```

```

<210> 405

```

<211> 334  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(334)  
 <223> n = A,T,C or G

```
<400> 405
gagctgttat actgtgagtt ctactaggaa atcatcaaat ctgagggttg tctggaggac 60
ttcaatacac ctcccccat agtgaatcag ctccagggg gtccagtcct tctccttact 120
tcatacccat cccatgccaa aggaagacc tccctccttg gctcacagcc ttctcttaggc 180
ttccagtgct ctccaggaca gagtgggtta tgttttcagc tccatccttg ctgtgagttgt 240
ctgggtcggt tgtgcctoca gcttctgctc agtgcttcat ggacagtgct cagcccatgt 300
cactctccac tctctcannf tggatccac ccct 334
```

<210> 406  
 <211> 216  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(216)  
 <223> n = A,T,C or G

```
<400> 406
tttcatacct aatgaggagg ttganatnac atnnaaccag gaaatgcatg gatctcaang 60
gaaacaaaca cccaataaac tcggagtggc agactgacaa ctgtgagaca tgcacttgct 120
acnaaacaca aattttnatgt tgcacccttg tttctacacc tctgggttat gacaaagaca 180
actgccaaag aatnttcaag aaggaggact gccant 216
```

<210> 407  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens

```
<400> 407
gctgacttgc tagtatcatc tgcattcatt gaagcacaag aacttcatgc cttgactcat 60
gtaaatgcac taggattaaa aaataaattt gatatacat ggaacacagac aaaaaatatt 120
gtacaacatt gcaaccagtg tcagattcta cacctggcca ctcaggaagc aagagttaat 180
cccagaggtc tatgtcccaa tgtgttatgg caaatggatg tcatgcacgt accttcattt 240
ggaaaattgt catttgtcca tgtgacagtt gatacttatt cacatttcatt atgggcaacc 300
tgccagacag gagaaagtct tcccatgtta aaagacattt attatcttgt ttctctgtca 360
tgggagtccc agaaaaagtt aaaacagaca atggggccagg ttctgtagta aag 413
```

<210> 408  
 <211> 183  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(183)  
 <223> n = A,T,C or G

<400> 408

```

ggagctngcc ctcaattcct ccatntctat gttancatat ttaatgtctt ttgnnattaa 60
tncttaacta gttaatcctt aaagggctan ntaatcctta actagtcctt ccattgtgag 120
cattatcctt ccagtattcn ccttctnttt tatttactcc ttctgtgcta ccatgtact 180
ntt 240

```

```

<210> 409
<211> 250
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(250)
<223> n = A,T,C or G

```

```

<400> 409
cccacgcatg ataagctctt tatttctgta agtctgtcta ggaaatcatc aaatctgacg 60
gtgggtttggg ggacctggaac aaacctcctg taattaatca gctttcagtt tctccccccta 120
gtccctcctt caacaacata ggaggatcct ccccttcttt ctgctcaagg ccttatctag 180
gttccacagt gcccccagga cagcgtgggc tatgtttaca ggcctcctt gctggggggg 240
ggcctatgc 250

```

```

<210> 410
<211> 306
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(306)
<223> n = A,T,C or G

```

```

<400> 410
ggctgggttg caagaatgaa atgaatgatt ctacagctag gacttaacct tgaaatggaa 60
agtccttgcaa tccattttgc aggatccgtc tgtgcacatg cctctgtaga gagcagcatt 120
cccaggggacc ttggaaacag ttggcactgt aaggtgcttg ctccccaaga cacatcctaa 180
aaggtgttgt aatgggtgaaa acgcgttctt tctttattgc ccttcttat ttatgtgaac 240
naactggttg ctttttttgn atctttttta aactggaaag ttcaattgng aaaatgaata 300
tctgtgc 306

```

```

<210> 411
<211> 261
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

```

```

<400> 411
agagatattn cttaggtnaa agttcataga gttcccatga actatatgac tggccacaca 60
ggatcttttg tatttaaggga ttctgagatt ttgcttgagc aggattagat aagcgtgttc 120
tttaaatgtc tgaatggaa cagatttcaa aaaaaaaccc cacaatctag ggtgggaaca 180
aggaaggaaa gatgtgaata ggcgtgatggg caaaaaacca atttaccat cagtccacgc 240
cttctctcaa gngaggcaa a 261

```

```

<210> 412

```

<211> 241  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(241)  
 <223> n = A,T,C or G

<400> 412  
 gttcaatggt acctgacatt tctacaacac cccactcacc gatgtattcg ttgccagtg 60  
 ggaacatacc agcctgaatt tggaaaaaat aattgtgttt cttgccccagg aaatactacg 120  
 actgactttg atggctccac aaacataacc cagtgtaaaa acagaagatg tggaggggag 180  
 ctggagagatt tcactgggta cattgaattc ccaactacc cangcaatta cccagccaac 240  
 a 241

<210> 413  
 <211> 231  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(231)  
 <223> n = A,T,C or G

<400> 413  
 aactcttaca atccaagtga ctcattctgtg tgcctgaatc ctttccactg tctcatctcc 60  
 ctcatccaag ttctctgtac cttctctttg ttgtgaagga taatcacaact gaacaacaaa 120  
 aagtttactc tcttcatttg gaacctaaaa actctcttct tcttgggtct gagggtccca 180  
 agaatccttg aatcanttct cagatcattg gggacaccan atcaggaacc t 241

<210> 414  
 <211> 234  
 <212> DNA  
 <213> Homo sapiens

<400> 414  
 actgtccatg aagcactgag cagaagctgg aggcacacac caccagacac tcacagcaag 60  
 gatggagctg aaaaacataac ccactctgtc ctggaggcac tgggaagcct agagaaggct 120  
 gtgagccaaag gagggaggggt cttccttttg catgggatgg ggaatgaagta aggagagggg 180  
 ctggagcccc tgggaagctga ttcactatgg ggggaggtgt attgaagtcc toca 241

<210> 415  
 <211> 217  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(217)  
 <223> n = A,T,C or G

<400> 415  
 gatcaggatt aagactgagt atcttttcta cattctttta actttctaaag gggcacttct 60  
 caaaaacacag accaggttagc aaatctccac tgctctaaag ntctcaccac cactttctca 120  
 cacttagcaa tagtagaatt cagtctact tctgagcca gaagaatggt tcagaaaaat 180  
 atgggattat aaaaaataac aattaagaaa aataatc 217

<210> 416  
 <211> 213  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(213)  
 <223> n = A,T,C or G

<400> 416  
 atgcataatnt aaagganact gcctcgcttt tagaagacat ctggncgtgct ctctgcatga 60  
 ggcacagcag taaagctctt tgattcccag aatcaagaac tctccccttc agactattac 120  
 cgaatgcaag gtgggttaatt gaaggccact aattgatgct caaatagaag gatattgact 180  
 atattggaac agatggagtc tctactacaa aag 213

<210> 417  
 <211> 303  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(303)  
 <223> n = A,T,C or G

<400> 417  
 nagtcttcag gccatcagg gaagttcaca ctggagagaa gtcatacata tgtactgtat 60  
 gtgggaaagg ctttactctg agttcaaatc ttcaagccca tcagagagtc cacactggag 120  
 agaagccata caaatgcaat gagtgtggga agagcttcag gagggtattcc cattatcaag 180  
 ttcatctagt ggtccacaca ggagagaaac cctataaatg tgagatatgt gggaaagggt 240  
 tcantcaaa gttcgtatctt caaatccatc ngaaggncca cagtatanan aaacctttta 300  
 agt 303

<210> 418  
 <211> 328  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(328)  
 <223> n = A,T,C or G

<400> 418  
 tttttggcgg tgggtgggca gggacgggac angagtctca ctctgttgcc caggctggag 60  
 tgccacaggca tgactctggc tcaactacaac ccctgcctcc catgtccaag cgattcttgt 120  
 gccacagcct tcctgtgagc tagaattaca ggcacatgcc accacaccca ctagtatttt 180  
 gtatttttag tagagacagg gtttcaccat gttggccagg ctggtctcaa actcctnaac 240  
 tcagngtca ggcctggtctc aaactcctga cctcaagtga tctgcccacc tcagcctccc 300  
 aaagtgtctan gattacaggc cgtgagcc 328

<210> 419  
 <211> 389  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(389)  
 <223> n = A,T,C or G

<400> 419  
 cctcctcaag acggcctgtg gtcgcgctcc cggcaaccaa gaagcctgca gtgccatag 60  
 acccctgagc cctggactgg agcctgaaag gcagcgtaca cctgtctcct gatcttggct 120  
 cttgtttcct ctctgtggct ccaattcatag cacagttgtt gcactgaggc ttgtgcaggc 180  
 cgagcaaggc caagctggct caaagagcaa ccagtcacat ctgccacggt gtgccaggca 240  
 ccggttctcc agccaccaa ctcactcgct cccgcaaatg gcacatcagt tcttctaccc 300  
 taaaggtagg accaaagggc atctgctttt ctgaagtcct ctgctctatc agccatcacg 360  
 tggcagccac tcngcgtgtg tcgacgcgg 389

<210> 420  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<400> 420  
 gttcctccta actcctgcca gaacacgctc tcttcaacat gagagctgca cccctcctcc 60  
 tggccagggc agcaagcctt agccttggct tcttgtttct gctttttttc tggctagacc 120  
 gaagtgtact agccaaggag ttgaagtgtg tgactttggg gtttcggcat ggagaccgaa 180  
 gtcccatgta cacttttccc actgacccca taaaggaatc ctcatggcca caaggatttg 240  
 gccaaactcac ccagctgggc atggagcagc attatgaact tggagagtat ataaagaaga 300  
 gatataaaaa attcttgaat gagtctata aacatgaaca ggtttatatt cgaagcacag 360  
 acgttgaccg gactttgatg aagtgtctatg acaaacctgg caagcccg 408

<210> 421  
 <211> 352  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(352)  
 <223> n = A,T,C or G

<400> 421  
 gctcaaaaat ctttttactg atnggcatgg ctacacaact attgactatt acggaggcca 60  
 gaggagaatg aggcctggcc tgggagccct gtgcctacta naagcacatt agattatcca 120  
 ttactgaca gaacaggtct tttttgggtc ctcttctccc accacnatac acttgcaagc 180  
 ctctctcttg aagattcttt ggcagttgtc tttgtcataa cccacaggtg tagaacaaga 240  
 ggtgcaacat gaattttctg tttcgtagca agtgcatgtc tcacaagttg gcangtctgc 300  
 cactccagat ttattgggtg tttgtttcct ttgagatcca tgcatttctt gg 352

<210> 422  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 422  
 atgccaccat gctggcaatg cagcggcgcg tcgaaggcct gcatatccag cccaagctgg 60  
 cgatgatcga cggcaaccgt tgcccgaagt tgccgatgcc agccgaagcg gttgtaacgg 120  
 gcgatagcaa ggtgcggcgg atcgcggcgg cgtcaatcct gcccaagtc agccgtgcatc 180  
 gtgaatatgg agctgtcgaa ttgatctacc cgggttatgg catcggcggg cataaggcct 240  
 atccgacacc ggtgcacctg gaagccttgc agcggctggg gcgcagcgcg attaccggac 300  
 gattcttccg ccggtacggc tggcctatga aaattat 337

<210> 423  
 <211> 310  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(310)  
 <223> n = A,T,C or G

<400> 423  
 gctcaaaaat ctttttactg atatggcatg gctacacaat cattgactat tagaggccag 60  
 aggagaatga ggctggcctt gggagccctg tgccctactan aagcncatta gattatccat 120  
 tcactgacag aacaggtctt ttttgggtcc ttcttctcca ccacgatata cttgcagtc 180  
 tccttttga agattctttg gcagttgtct ttgtcataac ccacaggtgt anaacaagg 240  
 gtgcaacatg aaatttctgt ttcttagcaa gtgcattgtc cacagttgtc aagtctgcc 300  
 tccgagttta 310

<210> 424  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(370)  
 <223> n = A,T,C or G

<400> 424  
 gctcaaaaat ctttttactg ataggcatg ctacacaatc attgactatt agaggccaga 60  
 ggagaatgag gcctggcctg ggagccctgt gcctactaga agcacattag attatccatt 120  
 cactgacaga acaggtcttt tttgggtcct tcttctccac cacgatatac ttgcagtc 180  
 cttctttgaa gattcttttg cagttgtctt ttgtcataac ccacaggtgt gaaacatcct 240  
 gggtgaatc cctggaaact cctcattagg tatgaaatag catgatgcatt tgcataaagt 300  
 cacgaaggtg gcaaaagatc caacgctgcc cagganaaca ttcatgtga taagcaggac 360  
 tccgtcgaag 370

<210> 425  
 <211> 216  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(216)  
 <223> n = A,T,C or G

<400> 425  
 aattgctatn ntttttttg ccactcaaaa taattaccaa aaaaaaaaaa tnttaaatga 60  
 taacaacnca acatcaagg n aaananaaca ggaatggntg actntgcata aatnggccga 120  
 anattatcca ttatnttaag ggttgacttc agntacagc acacagacaa acatgcccg 180  
 gagntntca ggaccgctcg atgtntntg agggag 216

<210> 426  
 <211> 596  
 <212> DNA  
 <213> Homo sapiens



```

<400> 426
cttccagtgga ggataaacct gttgccccgg gccgaggttc tccattaggc tctgattgat 60
tggcagtcag tgatggaagg gtgttctgat cattccgact gccccaaggg tcgctggcca 120
gctctctgtt ttgctgagtt ggcagtagga cctaatttgt taattaagag tagatggtga 180
gctgtccttg tattttgatt aacctaatgg ccttcccagg acgactcgga ttacgtctga 240
gacatcacgg caacttttaa tgaaatgatt tgaaggcca ttaagaggca cttcccgcta 300
ttaggcagtt catctgcact gataacttct tggcagctga gctggctcga gctgtggccc 360
aaacgcacac ttggcttttg gttttgagat acaactctta atcttttagt catgcttgag 420
ggtggatggc cttttcagct ttaacccaat ttgcaactgc ttggaagtgt agccaggaga 480
atacactcat ataactgtgg gcttagaggg cacagcagat gtcattgggt tactgacctga 540
gtcccgcgtgg tcccatccca ggaccttcca tcggcgagta cctgggagcc cgtgct 596

```

```

<210> 427
<211> 107
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(107)
<223> n = A,T,C or G

```

```

<400> 427
gaagaattca agttagggtt attcaagggt cttaacnaga atcctanacc caggngcccag 60
ccgggagca gccttanaga gctcctgttt gactgcccgg ctacagn 107

```

```

<210> 428
<211> 38
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(38)
<223> n = A,T,C or G

```

```

<400> 428
gaacttcna anaangactt tattcactat ttacatt 38

```

```

<210> 429
<211> 544
<212> DNA
<213> Homo sapiens

```

```

<400> 429
ctttgctgga cggaataaaa gtggacgcaa gcatgacctc ctgatgaggg cgtgcattt 60
attgaagagc ggctgcagcc ctgcgggttca gattaaaatc cgagaattgt atagaagccc 120
atatccacga actccttgaag gactttctga ttatccaca atcaaatcat cggttttcag 180
tttgatgtgt ggctcatcac ctgtagaacc tgacttggcc gtggctggaa tccactcggt 240
gccttcacat tcagtttacac ctcaactcac atcctctcct gttggttctg tgcgtgttca 300
agataactaa cccacatttg agatgcagca gccatctccc ccaattcttc cgttccatcc 360
tgatgtgcag ttaaaaaatc tgccctttta tgatgtcctt gatgttctca tcaagcccac 420
gagtttagtt caaagcagta ttcagcgatt tcaagagaag tttttttatt ttgctttgac 480
acctcaacaa gttagagaga tatgatatac cagggatttt ttgccagggt gtaggagaga 540
ttat 544

```

```

<210> 430

```

<211> 507  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(507)  
 <223> n = A,T,C or G

<400> 430  
 cttatcncaa tggggctccc aaacttggtc gtgcagtga aactcgggg gaattttgaa 60  
 gaacactgac acccatcttc caccocgaca ctctgattta attgggctgc agtgagaaca 120  
 gagcatcaat ttaaaaaagct gcccagaatg ttntcctggg cagcggttggt atctttggcn 180  
 cctctgtgac tttatgcaat gcatcatgct atttcatacc taatgaggga gttccaggag 240  
 attcaaccag gatgtttcta cncctgtggg ttatgacaaa gacaactgcc aaagaatntt 300  
 caagaaggag gactgcaagt atatcgtggt ggagaagaag gacccaaaaa agacctgttc 360  
 tgtcagtgaa tggataatct aatgtgcttc tagtaggac agggctccca ggocaggcct 420  
 cattctcttc tggcctctaa tagtcaatga ttgtgtagcc atgcctatca gtaaaaaagt 480  
 ttttgagcaa aaaaaaaaaa aaaaaaa 507

<210> 431  
 <211> 392  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(392)  
 <223> n = A,T,C or G

<400> 431  
 gaaaattcag aatggataaa aacaaatgaa gtacaaaata tttcagattt acatagcgat 60  
 aaacaagaaa gcacttatca ggaggactta caaatggaag tacactctan aaccatcatc 120  
 tatcatggct aaatgtgaga tttagcacagc tgtattattt gtacattgca aacacctaga 180  
 aagagatggg aaacaaaatc ccaggagttt tgtgtgtgga gtccctgggt ttccaacaga 240  
 catcattcca gcattctgag attagggnga ttggggatca ttctggagtt ggaatgttca 300  
 acaaaagtga tgttgttagg taaaatgtac aactttctga tctatgcaga cattgaaggt 360  
 gcaatgagtc tggcttttac tctgctgttt ct 392

<210> 432  
 <211> 387  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(387)  
 <223> n = A,T,C or G

<400> 432  
 ggtatccta cataatcaaa tatagctgta gtacatgttt tcattggngt agattaccac 60  
 aaatgcaagg caacatgtgt agatctcttg tcttattctt ttgtctataa tactgtattg 120  
 ngtagtccaa gctctcggn a gtccagccac tgnnaaacat gctcccttta gattaacctc 180  
 gtggacnctn ttgttgna ttctgaactg tagngccctg tattttgctt ctgtctgnga 240  
 attctgttgc ttctggggca ttctcttgng atgcagagga ccaccacaca gatgacagca 300  
 atctgaattg ntccaatcac agctgcgatt aagacatact gaaatcgtac agggaccggga 360  
 aacacgtata gaacactgga gtccttt 387

<210> 433  
 <211> 281  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(281)  
 <223> n = A,T,C or G

<400> 433  
 ttcaactagc anagaanact gcttcagggg gtgtaaaaatg aaaggcttcc acgcagttat 60  
 ctgattaaag aacactaaga gagggacaag gctagaagcc gcaggatgtc tacactatag 120  
 caggccttat ttgggttggc tggaggagct gtggaaaaaca tggagagatt ggcgctggag 180  
 atcgcgctgg ctatttcctn ttgntattac accagnagg ntctctgtnt gccactggt 240  
 tnnaaaaccg ntatacaata atgatagaat aggacacaca t 281

<210> 434  
 <211> 484  
 <212> DNA  
 <213> Homo sapiens

<400> 434  
 ttttaaaata agcatttagt gctcagtcct tactgagtag tctttctctc cctctctctg 60  
 aatttaattc ttccaacttg caatttgcaa ggattacaca ttctactgtg atgtatatgt 120  
 tgttgcaaaa aaaaaaaagt gtctttgttt aaaattactt ggtttgtgaa tccatcttgc 180  
 tttttcccca ttggaactag tcatttaacc atctctgaac tggtagaaaa acatctgaag 240  
 agctagtcta tcagcatctg acaggtgaat tggatggctc tcagaccata ttcaaccaga 300  
 cagcctgttt ctatcctgtt taataaatta gtttgggttc tctacatgca taacaaaccc 360  
 tgcctcaatc tgtcacataa aagctctgtg ctggaagttt agtcagcacc cccaccaaac 420  
 tttatttttc tatgtgtttt ttgcaacata tgagtgtttt gaaaataaag taccatgtc 480  
 tttta 484

<210> 435  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<400> 435  
 ggcgcgtcga gagcagggtca ctttctgcct tccacgtcct ccttcaagga agccccatgt 60  
 gggtagcttt caatatcgca ggttcttact cctctgctc tataagctca aaccaccaca 120  
 cgatcgggca agtaaacccc ctccctcgcc gacttcggaa ctggcgagag ttacgcgcag 180  
 atggccctgt ggggaggggg caagatagat gagggggagc ggcattgtgtc ggggtgaccc 240  
 ctgtggagaga ggaaaaaagg cacaagaggg gctgcaccg ccactaacgg agatggccct 300  
 ggtagagacc ttggggggtc tggaaacctt ggactcccca tgctctaact cccacactct 360  
 gcatatcaga acttaaaact gaggattttc tctgtttttc actcgcaata aattcagagc 420  
 aaac 424

<210> 436  
 <211> 667  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(667)  
 <223> n = A,T,C or G

```

<400> 436
accttgggaa nactctcaca atataaaggg tcgtagactt tactccaaat tccaaaaagg 60
tccctggccat gtaatcctga aagttttccc aaggtagcta taaaatcctt ataagggtgc 120
agcctctctt ggaattccct tgatttcaaa gtctcactct caagttcttg aaacggaggg 180
cagttcctga aaggcgagga tagcaactga tcttcagaaa gaggaactgt gtccaccggg 240
atgggtctgc agagttagga aggattccag atgctgacac ctctctgggg aaacagggct 300
ggcagggttt tcatagcact catcaaaagt cgggtcaacgt ctgtgctctg aatataaac 360
tgttcattgt tataggactc attcaagaat tttctatata tctttcttat atactctcca 420
agttcataat gctgctccat gccacgctgg gtgagttggc caaatccttg tggccatgag 480
gattccttta tggggtcagt gggaaagggt tcaatgggac ttcggtctcc atgccgaaac 540
accaaagtca caaacttcaa ctcttgggt agtacacttc ggtctagcca gaaaaaagg 600
agaaacaaga agccaaggct aaggcttgct gccctgccag gaggaggggg gcagctctca 660
tgttgag

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```

<210> 437
<211> 693
<212> DNA
<213> Homo sapiens

```

```

<400> 437
ctacgtctca accctcattt ttaggtaagg aatcttaagt ccaaagatat taagtgactc 60
acacagccag gtaaggaaag ctggattggc acactaggac tctaccatac cgggttttgt 120
taaaagctcag gttaggaggc tgataagctt ggaaggaaact tcagacagct ttttcagatc 180
ataaaagata attcttagcc catgtttctc tccagagcag acctgaaatg acagcacagc 240
aggtactcct ctattttcac cctctttgct tctactctct ggcagtcaga cctgtgggag 300
gccatgggag aaagcagctc tctggatgtt tgtacagatc atggactatt ctctgtggag 360
catttctcca ggttacccta ggtgtcacta ttggggggac agccagcatt tttagctttc 420
atttgagttt ctgtctctct tcagttagag aaacttttgc tcttcacact tcacatctga 480
acacctaaact gctgttgctc ctgaggtggt gaaagacaga tatagagctt acagtattta 540
tcctatttct aggcactgag ggctgtgggg taacctgttg tgccaaaaca gatcctgttt 600
taaggacatg ttgcttcaga gatgtctgta actatctggg ggcctgtgtg gctctttacc 660
ctgcactcag tgctctcttg gctgaaaatg acc

```

```

<210> 438
<211> 360
<212> DNA
<213> Homo sapiens

```

```

<400> 438
ctgcttatca caatgaatgt tctcctgggc agcgttgtga tctttgccac ctctgtgact 60
ttatgcaatg catcatgcta ttctcatcct aatgagggag ttccaggaga ttcaaccagg 120
atgtttctac acctgtgggt tatgacaaag acaactgcc aagaatcttc aagaaggagg 180
actgcaagta tatctgttgg agaagaagg cccaaaaaag acctgttctg tcagtgaatg 240
gataatctaa tgtgcttcta gtaggcacag ggctccagg ccaggcctca ttctcctctg 300
gcctctaata gtcaataatt gtgtagccat gcctatcagt aaaaagattt ttgagcaaac 360

```

```

<210> 439
<211> 431
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

```

```

<400> 439
gttctctnnta actcctgcc aaacagctc tctcaacat gagagctgca cccctctctc 60

```

```

tggccagggc agcaagcctt agccttggct tcttgtttct gcttttttcc tggctagacc 120
gaagtgtact agccaaggag ttgaagtttg tgacttttgg gtttcggcat ggagaccgaa 180
gtcccaattga cacctttccc actgacccca taaaggaatc ctcatggcca caaggatttg 240
gccaaactcac ccaagctgggc atggagcagc attatgaact tggagagtat ataagaaaga 300
gatataaaaa attcttgaat gactcctata aacatgaaca ggtttatatt cgaagcacag 360
acgttgaccg gactttgatg agtgctatga caaacctggc agcccgctga cgcggccgcg 420
aatttagtag t

```

&lt;210&gt; 440

&lt;211&gt; 523

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 440

```

agagataaag cttaggtcaa agttcataga gttcccatga actatatgac tggccacaca 60
ggatccttttg tattaagga ttctgagatt ttgcttgagc aggattagat aagggtgttc 120
tttaaatgtc tgaatatggaa cagatttcaa aaaaaaaccc cacaatctag ggtgggaaca 180
aggaaggaaa gatgtgaata ggctgatggg caaaaaacca atttaccocat cagttccagc 240
ctctctcaca ggagaggcaa agaaaaggaga tacagtgagc acatctggaa agttttctcc 300
actggaaaac tgctactatc tgtttttata ttctgttaa aatataatgag gctcacagaa 360
taaaaaattaa aacctctttg tgtcccttgg tctctgaaaca tttatgttcc ttttaagaa 420
acaaaaatca aactttacag aaagatttga tgtatgtaac acatatagca gctcttgaa 480
tatatatatc atagcaata agtcattctga tgagaacaag cta
523

```

&lt;210&gt; 441

&lt;211&gt; 430

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 441

```

gttctcctcta actcctgcca gaaacagctc tctcaacat gagagctgca cccctcctcc 60
tggccagggc agcaagcctt agccttggct tcttgtttct gcttttttcc tggctagacc 120
gaagtgtact agccaaggag ttgaagtttg tgacttttgg gtttcggcat ggagaccgaa 180
gtcccatgga cacctttccc actgacccca taaaggaatc ctcatggcca caaggatttg 240
gccaaactcac ccaagctgggc atggagcagc attatgaact tggagagtat ataagaaaga 300
gatataaaaa attcttgaat gactcctata aacatgaaca ggtttatatt cgaagcacag 360
acgttgaccg gactttgatg agtgctatga caaacctggc agcccgctga cgcggccgcg 420
aatttagtag
430

```

&lt;210&gt; 442

&lt;211&gt; 362

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 442

```

ctaaggaaatt agtagtgctt ccatcacttg ttggagtggt gctattctaa aagattttga 60
tttctgggaa tgacaattat attttaactt tgggtgggga aagagtata ggaccacagt 120
cttcacttct gatacttgta aattaacttt ttattgcact tgttttgacc attagctat 180
atgtttgaaa atggctcattt tacgaaaaaa ttagaaaaat tctgataata gtgcagaata 240
aatgaattaa tgttttactt aatttatatt gaactgtcaa tgacaaataa aaattctttt 300
tgattatttt ttgttttcat ttaccagaat aaaaactaag aattaaaagt ttgattacag 360
tc
362

```

&lt;210&gt; 443

&lt;211&gt; 624

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(624)  
 <223> n = A,T,C or G

<400> 443  
 tttttttttt gcaacacaat atacatcaca gtgaaatgtg taatccttgc aaattgcaag 60  
 ttgaagaat taaattcaga ggaggggaga gaaagagtag tcagtaggga ctgagcacta 120  
 aatgcttatt ttaaaagaaa tgtaaaagagc agaagcaat tcaggctacc ctgocctttg 180  
 tgctggctag tactccggtc ggtgtcagca gcacgtggca ttgaacattg caatgtggag 240  
 cccaaaccac agaaaaatgg gtgaaattgg ccaactttct attaacttgg ctctcgtttt 300  
 tataaaatat tgtgaaataat atcacctact tcaaaaggca gttatgaggc ttaaatgaac 360  
 taacgcctac aaacacacta aacatagata acataggtag aagtactatg tatctggtac 420  
 atggtaaaaa tccctattat taaagtcaac gctaaaaatga atgtgtgtgc atatgctaact 480  
 agtacagaga gagggcactt aaaccaacta agggcctgga ggggaaggttt cctggaaaga 540  
 ngatgcttgt gctgggtcca aatcttggtc tactatgacc ttggccaaat tatttaaaact 600  
 ttgtccctat ctgctaaaca gatac 624

<210> 444  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(425)  
 <223> n = A,T,C or G

<400> 444  
 gaacatcatt nntcttgcat tctttgagaa taagaagatc agtaaatagt tcagaagtgg 60  
 gaagcctttg ccaggcctgt gtgtgaaccc aatgttttgc ttgaaatag aacaagtaag 120  
 ttcatgtcta tagcataaca caaaatttgc ataagtgggt gtcagcaaat ccttgaaatg 180  
 tgcttaagtgt gagagggttg taaaaatcctt tgtgcaacac tctaaactccc tgaatgtttt 240  
 gctgtgctgg gacctgtgca tgccagacaa ggccaagctg gctgaaagag caaccagcca 300  
 cctctgcaat ctgccacctc ctgctggcag gatttgtttt tgcatcctgt gaagagccaa 360  
 ggaggacca gggcataagt gagtagactt atggctcgac gcgcccggaa tttagttagta 420  
 gtaga 425

<210> 445  
 <211> 414  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(414)  
 <223> n = A,T,C or G

<400> 445  
 catgtttatg nttttggatt actttgggca octagtgttt ctaaactgct tatcattcct 60  
 ttctgttttt caaagcaga gatggccaga gtctcaacaa actgtatctt caagtctttg 120  
 tgaatctctt tgaattgtgc agattattgg atgtagtctt cttaacttag catataaact 180  
 tgggtgtttt cagataaatg aacagcaaaa tgggtgggaa ttaccatttg gaacattgtg 240  
 aatgaaaaat tgtgtctcta gattatgtaa caaataacta ttctctaacc attgatcttt 300  
 ggatttttat aatcctactc acaaatgact agggctctcc tcttgatttt tgaagcagtg 360  
 tgggtgctgg attgataaaa aaaaaaaaag tcgacgcggc cggaatttta gtag 414

<210> 446

<211> 631  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(631)  
 <223> n = A,T,C or G

```

<400> 446
acaaattaga anaaagtgcc agagaacacc acataccttg tccggaacat tacaatggct 60
tctgcacgca tgggaagtgt gagcattcta tcaatatgca ggagccatct tgcagggtgtg 120
atgctgggta tactggacaa cactgtgaaa aaaaggacta cagtgttcta tacgttgttc 180
ccggtcctgt acgatttcag tatgtcttaa tcgcagctgt gattgggaaca attcagattg 240
ctgtcatctg tgtggtgggc ctctgcctca caagggccaa actttagtag atagcattgg 300
actgagattt gtaaaccttc caaccttcca ggaatgcc cagaagcaac agaattcaca 360
gacagaagca aaatacaggg cactacagtt cagacaatc aacaagagcg tccacgagg 420
taatctaaag ggagcatgtt tcacagtggc tggactaccg agagcttgga ctacacaata 480
cagtattata gacaaaagaa taagacaaga gatctacaca tgttgctctg catttgggt 540
aatctacacc aatgaaaaca tgtactacag ctatatttga ttatgtatgg atattattga 600
aatagtatac attgtcttga tgttttttct g

```

<210> 447  
 <211> 585  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(585)  
 <223> n = A,T,C or G

```

<400> 447
ccttgggaaa antntcacaa tataaagggt cgtagacttt actccaaatt ccaaaaagg 60
cctggccatg taatcctgaa agttttccca aggtagctat aaaatcctta taagggtgca 120
gcctctctcg gaattcctct gatttcaaa tctcactctc aagttcttga aaacgagggc 180
agttcctgaa aggcagggtat agcaactgat cttcagaagg aggaactgtg tgcaccggga 240
tgggctgcga gagtaggata ggattccaga tctgcacacc ttctggggga aacagggctg 300
ccaggtttgt catagcactc atcaaaagtc ggtcaacgtc tgtgcttcga atataaacct 360
gttcattgtt ataggactca ttcaagaatt ttctatatct ctttcttata tactctccaa 420
gttcataatg ctgctccatg ccagctggg tgagtggcc aaatccttgt ggccatgagg 480
attcctttta ggggtcagtg ggaaaggtgt caatgggact tcggtctcca tgccgaalca 540
ccaaagtcac aaacttcaac tctctggcta gtacactctg gtcta

```

<210> 448  
 <211> 93  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(93)  
 <223> n = A,T,C or G

```

<400> 448
tgctcgtggg tcattctgan nncggaactg acnttgccag ccttgccgan gggcncctat 60
ggtccctag tgccctggag agganggggc tag

```

<210> 449  
 <211> 706  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1)...(706)  
 <223> n = A,T,C or G

```

<400> 449
ccaagttccat gctntgtgct ggacgctgga cagggggcaa aagcnnttgc tcgtgggtca 60
ttctgancac cgaactgacc atgccagccc tgcgatggt cctccatggc tcctagtgc 120
cctggagagg aggtgtctag tcagagagta gtccctggaag gtggcctctg ngaggagcca 180
cggggacagc atcctgcaga tggctggggcg cgtcccatcc gccattcagg ctgcgcaact 240
gttgggaagg gcgatcgggt cgggcctctt cgtctattac ccagctggcg aaagggggat 300
gtgctgcaag gcgattaagt tgggtaaacg cagggttttc ccagtcnccg cgttgtaaaa 360
cgacggccag tgaattgaat ttagggtgacn ctatagaaga gctatgacgt cgcattgcacg 420
cgtacgtaaag cttggatcct ctagagcggc cgcctactac tactaaattc gcggccgcgt 480
cgacgtggga tcncactga gagagtgagg agtgacatgt gctggacnct gtccatgaag 540
cactgagcac aagctggagg cacaacgcnc cagacactca cagctactca ggaggctgag 600
aacaggttga aactgggagg tggaggttgc aatgagctga gatcaggccn ctgcncccca 660
gcattgatga cagagtgaaa ctccatctta aaaaaaaaaa aaaaaa 706

```

<210> 450  
 <211> 493  
 <212> DNA  
 <213> Homo sapiens

```

<400> 450
gagacggagt gtcactctgt tgcccagggt ggagtgcagc aagacactgt ctaagaaaaa 60
acagttttaa aaggtaaaaa aacataaaaa gaaatatct atagtggaaa taagagagtc 120
aaatgaggct gagaacttta caaagggatc ttacagacat gtcgccaata tcactgcatt 180
agcctaagta taagaacaac ctttggggag aaaccatcat ttgacagtga ggtacaattc 240
caagttaggt agtgaatagg gtggaattaa actcaaatat atcctgccag ctgaaacgca 300
agagacactg tcagagagtt aaaaagttag ttctatccat gaggtgattc cacagtcttc 360
tcaagtcaac acatctgtga actcacagac caagttctta aaccactgtt caaactctgc 420
tacacatcag aatcacctgg agagctttac aaactccat tgccgagggg cgacgcggcc 480
gcgaatttag tag

```

<210> 451  
 <211> 501  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(501)  
 <223> n = A,T,C or G

```

<400> 451
gggcgcgtgc cattgcctat tcaggtctgc caactgttgg gaagggcgat cgggtcgggc 60
ctcttcgcta ttacgccagc tggcgaaaag gggatgtgct gcaaggcgat taagttgggt 120
aacgccaggg ttttccagtt cncgcagctg taaaacgacg gccagtgaat tgaatttagg 180
tgacnctata gaagagctat gacgtcgcat gcacgcgtac gtaagcttgg atcctctaga 240
ggggcgccct actactacta aattcgcggc cgcgtgcagc tgggatccnc actgagagag 300
tggagagtga catgtgctgc acnctgtcca tgaagcactg agcagaagct ggaggcacia 360
cgcncagac actcacagct actcaggagg ctgagaacag gttgaacctg ggaggtggag 420

```



gttgcaatga gctgagatca ggcncctgcn ccccgcatg gatgacagag tgaaactcca 480  
tcttaaaaaa aaaaaaaaaa a 501

<210> 452  
<211> 51  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(51)  
<223> n = A,T,C or G

<400> 452  
agaagggttc accnttaca cnccttttag gatgggnntt ggggagcaag c 51

<210> 453  
<211> 317  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(317)  
<223> n = A,T,C or G

<400> 453  
tacaatcttgc tttttcccca ttggaactag tcattaaccc atctctgaac tggtagaaaa 60  
acatctgaag agctagtcta tcagcatctg gcaagtgaat tggatggttc tcagaacctt 120  
ttcacccana cagcctgttt ctatctgttt taataaatta gtttgggttc tctacatgca 180  
taacaaaccc tgctccaatc tgtcacataa aagtctgtga cttgaagttt antcagcacc 240  
cccaccaaac tttatttttc tatgtgtttt ttgcaacata tgagtgtttt gaaaataagg 300  
taccatgtgc tttatta 317

<210> 454  
<211> 231  
<212> DNA  
<213> Homo sapiens

<400> 454  
ttcagagttac aatcaactct cagagtgtag tttccttcta tagatgagtc agcattaata 60  
taagccaagc caogcttttg aagcagttct gaattctctc ctgctcactc agtagaacca 120  
agaagaccaa attcttctgc atcccagctt gcaaacaaaa ttgttctctc aggtctccac 180  
ccttcttttt tcagtgttcc aaagctcttc acaatttcat gaacaacagc t 231

<210> 455  
<211> 231  
<212> DNA  
<213> Homo sapiens

<400> 455  
taccaaagag ggcataataa tcagtctcac agtaggggtc accatcctcc aagtgaaaaa 60  
cattgttccg aatgggcttt ccacaggcta cacacacaaa acaggaacaa tgccaagtgtt 120  
gtttcaagcg attgatgact tctccaagga tcttcttttg gcatcgacca cattcagggtt 180  
caaagaattt ctcatagcac agctcacaat acagggtctc tttctctct a 231

<210> 456  
<211> 231

<212> DNA  
<213> Homo sapiens

<400> 456  
ttggcaggta cccctacaaa gaagacacca taccttatgc gttattaggt ggaataatca 60  
ttccattcag tattatcggt attattcttg gagaaccct gtctgtttac tgtaaccttt 120  
tgcactcaaa ttccctttatc aggaataact acatagccac tatttacaac gccattggaa 180  
cctttttatt tgggtgcagct gctagtcagt ccctgactga cattgccaag t 231

<210> 457  
<211> 231  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(231)  
<223> n = A,T,C or G

<400> 457  
cgaggtaccc aggggtctga aaatctctnn ttntantagtc gatagcaaaa ttgttcacatca 60  
gcattccctta atatgatctt gctataatta gatttttctc cattagagtt catcacagttt 120  
tatttgattt tattagcaat ctctttcoaga agacocctga gatcattaa gcttggatccc 180  
agttgtctcaa atcgatgctc catttctctc gaggtgtctgc tggcttttgt g 231

<210> 458  
<211> 231  
<212> DNA  
<213> Homo sapiens

<400> 458  
aggctctggt ccccccactt ccaactccct ctactctctc taggactggg ctggggccaag 60  
agaagagggg tgggttaggga agccgttgag acctgaagcc ccacccctcta ccttccttca 120  
acaccctaac cttgggtaac agcatttgga attatcattt gggatgagta gaatttccaa 180  
ggtcctgggt taggcatttt gggggggccag accccaggag aagaagattc t 231

<210> 459  
<211> 231  
<212> DNA  
<213> Homo sapiens

<400> 459  
ggtaccgagg ctcgctgaca cagagaaaac ccaacgcgag gaaaggaatg gccagccaca 60  
ccttcgcgaa acctgtggtg gccaccagct cctaaccggga caggacagag agacagagca 120  
gccctgcact gttttccctc caccacagcc atoctgtccc tcattggctc tgtgctttcc 180  
actatacaca gtcaccgtcc caatgagaaa caagaaggag caccctccac a 231

<210> 460  
<211> 231  
<212> DNA  
<213> Homo sapiens

<400> 460  
gcaggtataa catgctgcga caacagatgt gactaggaac ggccggtgac atgggggaggg 60  
cctatcacccc tattcttggg ggctgcttct tcacagtgat catgaagcct agcagcaaat 120  
ccacccctccc cacacgcaca cggccagcct ggagccacaca gaagggtcct cctgcagcca 180  
gtggagcttg gtcaccgctc cagtcacccc ctaccaggct taaggataga a 231

<210> 461  
 <211> 231  
 <212> DNA  
 <213> Homo sapiens

<400> 461  
 cgaggtttga gaagctctaa tgtgcagggg agccgagaag caggcgccgt agggaggggtc 60  
 gcgtgtgctc cagaagagtg tgtgcatgcc agaggggaaa caggcgccgt tgtgtcctgg 120  
 gtgggggttc gtgaggagtg ggaattggt tcagcagaac caagccgttg ggtgaataag 180  
 agggggagtc catggcactg atagagccct atagtctcag agctgggaat t 231

<210> 462  
 <211> 231  
 <212> DNA  
 <213> Homo sapiens

<400> 462  
 aggtaccctc attgtagcca tgggaaaatt gatgttcagt ggggatcagt gaattaaatg 60  
 gggtcatgca agtataaaaa ttaaaaaaaa aagacttcat gcccaatctc atatgatgtg 120  
 gaagaactgt tagagagacc aacagggttag tgggttagag atttccagag tcttacattt 180  
 tctagaggag gtatttaatt tcttctcact catccagtgt tgtatttagg a 231

<210> 463  
 <211> 231  
 <212> DNA  
 <213> Homo sapiens

<400> 463  
 tactccagcc tgggtgacaga gcgagaccct atcaccgccc cccacccccc caaaaaaaa 60  
 actgagtaga caggtgtcct cttggcatgg taagtcttaa gtccctccc agatctgtga 120  
 catttgacag gtgtcttttc cctcggacct cgggtgtccc atctgagtga gaaaaggcag 180  
 tggggagggt gatcttccag tcgaagcggg atagaagccc gtgtgaaaag c 231

<210> 464  
 <211> 231  
 <212> DNA  
 <213> Homo sapiens

<400> 464  
 gtaactctaag attttatcta agttgccttt tctgggtggg aaagttaaac ctagtgact 60  
 aaggacatca catatgaaga atgtttaagt tggaggtggc aacgtgaatt gcaaacaggg 120  
 cctgtctcag tgactgtgtg cctgtagctc cagctactcg ggaagtctgt tgaggccagg 180  
 ggtgccagcg caccagctag atgctctgta acttctaggc cccattttcc c 231

<210> 465  
 <211> 231  
 <212> DNA  
 <213> Homo sapiens

<400> 465  
 catgttggtg tagctgtggt aatgctggct gcatctcaga cagggttaac ttcagctcct 60  
 gtggcaaatc agcaacaaat tctgacatca tatttatggt ttctgtatct ttgttgatga 120  
 aggatggcac aatttttgct tgtgttcata atatactcag attagtctag tcccatcaga 180  
 taaactggag acatgcagga cattagggta gtgtttagc tctgtaatg a 231

<210> 466  
 <211> 231  
 <212> DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 466

caggtagcttc tttccattgg atactgtgct agcaagcatg ctctccgggg tttttttaat 60  
 ggccctcgaa caaaacttgc cacataccca ggtataatag ttcttaacat ttgccacaga 120  
 cctgtgcaat caaataattgt ggagaattcc ctgactggag aagtcacaaa gactataggg 180  
 aataattggag accagtccca caagatgaca accagtcggt gtgtgcgggt g 231

&lt;210&gt; 467

&lt;211&gt; 311

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 467

gtacaccctg gcacagtcca atctgaactg gttcggcact catctttcat gagatggatg 60  
 tgggtgcttt tctcttttt catcaagact cctcagcagg gagcccgag cagcctgcac 120  
 tgtgccttaa cagaaggctc tgagattcta agtgggaatc atttcagtga ctgtcatgtg 180  
 gcatgggtct ctgcccaagc tcgtaatgag actatagcaa ggcggctgtg ggacgtcagt 240  
 tgtgacctgc tgggctctcc aatagactaa caggcagtgc cagttggacc caagagaaga 300  
 ctgcagcaga c 311

&lt;210&gt; 468

&lt;211&gt; 3112

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 468

cattgtgttg ggagaaaac agaggggaga tttgtgtggc tgacgacgag ggagaccagg 60  
 aagatctgca tgggtgggaag gacctgatga tacagagttt gataggagac aattaaaggc 120  
 tggaaaggcac tggatggcctg atgatgaagt ggactttcaa actggggcac tactgaaacg 180  
 atgggatggc cagagacaca ggagatgagt tggagcaagc tcaataacaa agtggttcaa 240  
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&lt;213&gt; Homo sapiens

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&lt;210&gt; 474

&lt;211&gt; 1594

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 474

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&lt;210&gt; 475

&lt;211&gt; 2414

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (33)

&lt;223&gt; n=A, T, C or G

&lt;400&gt; 475

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 <211> 3434  
 <212> DNA  
 <213> Homo sapiens

<400> 476

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<211> 140
<212> PRT
<213> Homo sapiens
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Leu Ser His Tyr His Arg Asp Thr Arg His His Thr Val Thr Trp Thr  
35 40 45

His His His Thr His Glu His Thr Asp Thr Leu Pro Tyr Gly His Trp  
50 55 60

His Thr His Cys His Thr Val Thr Trp Thr His Leu His Thr Ile Thr  
65 70 75 80

Pro Pro His Thr Leu Pro Val Asp Thr Arg Thr His Arg His Cys His  
85 90 95

Thr Asp Thr Gln Asn Thr Val Thr Arg Arg His His His Ala Asp Thr  
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Pro Pro Leu Trp Cys Arg Leu Asn Tyr Pro Ala Gly Gly Thr Ala Val  
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Ala Tyr Ser Cys Leu Ser Asp Trp Leu Ser Pro Gln  
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<210> 478
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<212> PRT
<213> Homo sapiens
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Gly Glu Ile Thr Trp Thr His His His Thr Ile Thr Gly Thr Gln Thr  
35 40 45

His Gly Asp Ile Thr Thr Trp Thr His Cys His Thr Thr Thr Gly Thr

50                      55                      60  
 Arg Asp Ile Thr Leu Ser His Gly His Thr Ile Thr His Met Asn Thr  
 65                      70                      75                      80  
 Pro Thr His Cys His Met Asp Thr Gly Thr His Thr Ala Thr Leu Ser  
                     85                      90                      95  
 His Gly His Thr Ser Thr Pro Ser His His His Thr His Cys Leu Trp  
                     100                      105                      110  
 Thr Gln Gly His Thr Asp Thr Val Thr Gln Ile His Lys Thr Leu Ser  
                     115                      120                      125  
 His Gly Asp Ile Thr Met Gln Ile His His His Ser Gly Ala Val  
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&lt;210&gt; 479

&lt;211&gt; 222

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 479

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 Ser His Glu His Thr Gly Ile Val Thr Trp Thr Asp Thr Gln Thr Tyr  
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 Gly Glu Ile Thr Leu Thr His His His Thr Ile Thr Gly Thr Gln Thr  
                     35                      40                      45  
 His Gly Asp Ile Thr Thr Trp Thr His Cys His Thr Thr Thr Gly Thr  
                     50                      55                      60  
 Arg Asp Ile Thr Leu Ser His Gly His Thr Ile Thr His Met Asn Thr  
 65                      70                      75                      80  
 Pro Thr His Cys His Met Asp Thr Ala Thr His Thr Ala Thr Leu Ser  
                     85                      90                      95  
 His Gly His Thr Ser Ile Pro Ser His His His Thr His Cys His Val  
                     100                      105                      110  
 Asp Thr Arg Thr His Arg His Cys His Thr Asp Thr Gln Asn Thr Val  
                     115                      120                      125  
 Thr Arg Arg His His His Ala Asp Thr Pro Pro His Gly His Ser Thr  
                     130                      135                      140  
 Arg His Ser Ala Thr Gln Ile His His His Thr Glu Met Arg Thr His  
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 Cys His Thr Asp Thr Thr Ser Leu Pro His Phe His Val Ser Ala  
                     165                      170                      175  
 Gly Gly Val Gly Pro Thr Thr Leu Gly Ser Asn Arg Glu Ile Thr Trp

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 Thr Tyr Ser Glu Gly Lys Ile Phe Phe Tyr Phe Leu Gly Asn Gln Ala  
 195 200 205  
 Arg Leu Cys Leu Lys Lys Arg Lys Lys Lys Gln Tyr Thr Val  
 210 215 220

<210> 480  
 <211> 144  
 <212> PRT  
 <213> Homo sapiens

<400> 480  
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 Val Gly Phe Leu Val Val Lys Arg Gln Thr Ile Gly Arg Leu Glu Arg  
 35 40 45  
 Asp Phe Met Phe Lys Cys Arg Lys Gln Pro Gly Leu Pro Pro Ser Gly  
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 65 70 75 80  
 Asp Arg Leu Thr Trp Ser Ser Val Ser Val Ala Gly Val Cys Ala Cys  
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 Arg Ala Arg Pro Gly Trp Leu Gly Glu Gln Pro Ala Thr Ser Ala Gly  
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 <212> PRT  
 <213> Homo sapiens

<400> 481  
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 20 25 30

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 Cys Pro Ala Ala Ser Glu Val Gly Gly Cys Ala Pro Ser Ser Trp Arg  
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 Ala Leu Ala Glu Val Thr Gly Cys Ser Leu Gly Pro Leu Gly Leu Ala  
                                   100                                  105                                  110  
 Gln His Ala Gln Ala Ser Val Leu Leu Leu Cys Tyr Lys Trp Ser His  
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 Ile Gly Glu Thr Ser Ser His Leu Arg Ser Lys Val Tyr Ala Ala Phe  
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 Gly Gly Ser Ser Pro Cys Leu Lys Gly Leu Met Ser Leu Trp Ala Ser  
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 Trp Leu Ser Arg Gly Arg Pro  
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&lt;210&gt; 482

&lt;211&gt; 143

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 482

Met Glu Pro Tyr Arg Gly Asn Lys Lys Gln Val Gln Glu Lys Gly Val  
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 Pro Cys Leu Trp Gly Ser Ser Pro Cys Leu Arg Cys His Met Ala Leu  
                                   20                                  25                                  30  
 Arg Ala Ser Trp Leu Pro Gly Gly Gly Pro Gln Ala Ile Leu Gly Arg  
           35                                  40                                  45  
 Thr Leu Cys Ser Ser Ala Glu Ser Ser Gln Asp Cys His Pro Gly Gly  
           50                                  55                                  60  
 Pro Ser Ile Ala Leu Ala Lys Pro Cys Arg Gly Val Trp Leu Leu Phe  
           65                                  70                                  75                                  80  
 Glu Pro Ala Trp Pro Pro Trp His Ala Arg Ala Pro Gly Ala Gly Thr  
                                   85                                  90                                  95  
 Leu Leu Arg Val Cys Leu Ser Cys Leu Gly Cys His Leu Cys Gly Gly  
           100                                  105                                  110  
 Ala Ser Gly Gly Gly Gly Pro Ala Thr Asn Leu Thr Gln Ser Arg Lys  
           115                                  120                                  125

Trp Met Ala Met Phe Pro Gln Pro Glu Trp Leu Pro Pro Asp Gly  
 130 135 140

<210> 483  
 <211> 143  
 <212> PRT  
 <213> Homo sapiens

<400> 483  
 Met Glu Thr Gln Arg Gly Asn Lys Gln Arg Ala Gln Glu Gln Gly Val  
 5 10 15

Cys Cys Leu Trp Gly Ser Ser Pro Cys Leu Gly Ser Tyr Gly Thr Ala  
 20 25 30

Gly Phe Leu Val Ala Lys Arg Arg Thr Thr Gly Leu Leu Glu Glu Asp  
 35 40 45

Phe Thr Phe Lys Cys Arg Lys Gln Pro Lys Leu Pro Ser Met Arg Leu  
 50 55 60

Ser Leu Leu Trp Pro Trp Arg Asp Leu Lys Phe Val Pro Arg Gln Asp  
 65 70 75 80

Lys Leu Thr Arg Ser Ser Val Ser Val Ala Gly Ala Tyr Ala Cys Arg  
 85 90 95

Ala Gly Pro Gly Trp Leu Lys Glu Gln Pro Ala Thr Ser Ala Arg Val  
 100 105 110

Arg Leu Val Gln Ala Glu His Pro Pro Pro His Pro Leu Glu Glu Val  
 115 120 125

Gly Met Ala Arg Phe Pro Gln Pro Glu Cys Leu Pro Pro Tyr Cys  
 130 135 140

<210> 484  
 <211> 30  
 <212> PRT  
 <213> Homo Sapien

<400> 484  
 Thr Ala Ala Ser Asp Asn Phe Gln Leu Ser Gln Gly Gly Gln Gly Phe  
 1 5 10 15  
 Ala Ile Pro Ile Gly Gln Ala Met Ala Ile Ala Gly Gln Ile  
 20 25 30

<210> 485  
 <211> 31  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Made in a lab

<400> 485  
 gggaagctta tcacctatgt gccgcctctg c



<210> 486  
 <211> 27  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Made in a lab

<400> 486  
 gcgaattctc acgctgagta ttggcc

27

<210> 487  
 <211> 36  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Made in a lab

<400> 487  
 ccgaattctc tagctgccca tccgaacgcc ttcac

36

<210> 488  
 <211> 33  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Made in a lab

<400> 488  
 gggaagcttc ttccccgctc gcaccagctg tgc

33

<210> 489  
 <211> 19  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Made in a lab

<400> 489  
 Met Asp Arg Leu Val Gln Arg Phe Gly Thr Arg Ala Val Tyr Leu Ala  
 1 5 10 15  
 Ser Val Ala

<210> 490  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Made in a lab

<400> 490  
 Tyr Leu Ala Ser Val Ala Ala Phe Pro Val Ala Ala Gly Ala Thr Cys

171

1 5 10 15  
Leu Ser His Ser  
20  
<210> 491  
<211> 20  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> Made in a lab  
  
<400> 491  
Thr Cys Leu Ser His Ser Val Ala Val Thr Ala Ser Ala Ala Leu  
1 5 10 15  
Thr Gly Phe Thr  
20  
<210> 492  
<211> 20  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> Made in a lab  
  
<400> 492  
Ala Leu Thr Gly Phe Thr Phe Ser Ala Leu Gln Ile Leu Pro Tyr Thr  
1 5 10 15  
Leu Ala Ser Leu  
20  
<210> 493  
<211> 20  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> Made in a lab  
  
<400> 493  
Tyr Thr Leu Ala Ser Leu Tyr His Arg Glu Lys Gln Val Phe Leu Pro  
1 5 10 15  
Lys Tyr Arg Gly  
20  
<210> 494  
<211> 20  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> Made in a lab  
  
<400> 494  
Leu Pro Lys Tyr Arg Gly Asp Thr Gly Gly Ala Ser Ser Glu Asp Ser  
1 5 10 15  
Leu Met Ile Ser

20

<210> 495  
<211> 20  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 495  
Asp Ser Leu Met Thr Ser Phe Leu Pro Gly Pro Lys Pro Gly Ala Pro  
1 5 10 15  
Phe Pro Asn Gly  
20

<210> 496  
<211> 21  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 496  
Ala Pro Phe Pro Asn Gly His Val Gly Ala Gly Gly Ser Gly Leu Leu  
1 5 10 15  
Pro Pro Pro Pro Ala  
20

<210> 497  
<211> 20  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 497  
Leu Leu Pro Pro Pro Pro Ala Leu Cys Gly Ala Ser Ala Cys Asp Val  
1 5 10 15  
Ser Val Arg Val  
20

<210> 498  
<211> 20  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 498  
Asp Val Ser Val Arg Val Val Val Gly Glu Pro Thr Glu Ala Arg Val  
1 5 10 15  
Val Pro Gly Arg  
20

<210> 499  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Made in a lab

<400> 499  
 Arg Val Val Pro Gly Arg Gly Ile Cys Leu Asp Leu Ala Ile Leu Asp  
 1 5 10 15  
 Ser Ala Phe Leu  
 20

<210> 500  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Made in a lab

<400> 500  
 Leu Asp Ser Ala Phe Leu Leu Ser Gln Val Ala Pro Ser Leu Phe Met  
 1 5 10 15  
 Gly Ser Ile Val  
 20

<210> 501  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Made in a lab

<400> 501  
 Phe Met Gly Ser Ile Val Gln Leu Ser Gln Ser Val Thr Ala Tyr Met  
 1 5 10 15  
 Val Ser Ala Ala  
 20

<210> 502  
 <211> 414  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(414)  
 <223> n=A,T,C or G

<400> 502  
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 tcagtccgtg gaggagtcg ggggtgcct ggtcacgcct gggacacct tgacantcac 120  
 ctgtagagtt ttggaatng acctcagtag caatgcaatg agctgggtcc gccaggctcc 180  
 agggaagggg ctggaatgga tcggagccat tgataattgt ccacantaag cgacctgggc 240

gaaaggccga	ttnatnattt	ccaaaacctn	gaccacgggtg	gatttgaaaa	tgaccagtc	300
gacaaccgag	gacacggcca	cctatttttg	tggcagaatg	aatactggta	atagtggttg	360
gaagaatatt	tggggcccgag	gcaccctggt	caccgtntcc	tcagggcaac	ctaa	414

<210> 503  
 <211> 379  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(379)  
 <223> n=A,T,C or G

<400> 503	
atncgatggt	gcttggtcaa aggtgtccag tgcagtcgg tggaggagtc cgggggtcgc 60
ctggtcacgc	ctgggcaccc cctgacactc acctgcaccg tntctggatt ngacatcagt 120
agctatggag	tgagctgggt ccgcccaggct ccagggaagg ggctgggata catcggtatca 180
ttagtagtag	tggtacattt tacgcgagct gggcgaaaagg ccgattcacc atttccaaaa 240
ccngaccac	ggtgatttg aaaatcacca gtttgacaac cgaggacacg gccacctatt 300
tntgtgccag	aggggggttt aattataaag acatttgggg cccaggcacc ctggtcaccg 360
tntccttagg	gcaacctaa

<210> 504  
 <211> 19  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Made in a lab

<400> 504	
Gly Phe Thr Asn Tyr Thr Asp Phe Glu Asp Ser Pro Tyr Phe Lys Glu	
1 5 10 15	
Asn Ser Ala	

<210> 505  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Made in a lab

<400> 505	
Lys Glu Asn Ser Ala Phe Pro Pro Phe Cys Cys Asn Asp Asn Val Thr	
1 5 10 15	
Asn Thr Ala Asn	
20	

<210> 506  
 <211> 407  
 <212> DNA  
 <213> Homo Sapien

<400> 506

atggagacag	gctcgcgtg	gtttctctg	gtcgtcgtg	tcaaaggtgt	ccagtgtcag	60
tgcgtggagg	agtcocgggg	tgccttggtc	acgcctggga	caccctcgac	actcactcgc	120
acgcctctctg	gattctccct	cagtagcaat	gcaatgatct	gggtccggca	ggctccaggg	180
aaggggctgg	aatacatcgg	atacattagt	tatggtggta	cgccatacta	cgcgagctgg	240
gtgaaaggcc	gattccacat	ctccaaaacc	tcgaccaacg	tggatctgag	aatgaccagt	300
ctgacaacgg	aggacacggc	cacctatttc	tgtgccagaa	atagtgtatt	tagtggtatg	360
ttgtggggcc	caggcacctc	ggtcacgcgc	tcctcagggc	aacctaa		407

<210> 507  
 <211> 422  
 <212> DNA  
 <213> Homo Sapien

atggagacag	gctcgcgtg	gtttctctg	gtcgtcgtg	tcaaaggtgt	ccagtgtcag	60
tgcgtggagg	agtcocgggg	tgccttggtc	acgcctggga	caccctcgac	actcactcgt	120
acagtcctctg	gattctccct	cagcaactac	gaectgaact	gggtccggca	ggctccaggg	180
aaggggctgg	aatggatcgg	gatcattaat	tatgttggta	ggacgggacta	cgcgaactgg	240
gcaaaaggcc	ggttcacat	ctccaaaacc	tcgaccacgg	tggatctcaa	gatgccaggt	300
ccgacaacgg	aggacacggc	cacctatttc	tgtgccagag	gggtggaagt	cgatgagctc	360
ggtccgtgct	tgcgcacat	gggcccaggc	acccctggta	ccgtctcctt	agggcaacct	420
aa						422

<210> 508  
 <211> 411  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(411)  
 <223> n=A,T,C or G

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cggtggaggga	gtccgggggt	cgcttggtca	cgctggggac	acccctgaca	ctcacctgca	120
cagtcctctgg	aatcgacctc	agtagctact	gcattagctg	ggtcogccag	gtccacggga	180
aggggctcgg	atggatcgga	atcatttgta	ctcctggtga	cacatactac	gcgaggtggg	240
cgaaaagccg	attcacatc	tccaaaacct	cgaccacggt	gcattntgaa	atcncacgtc	300
cgacaacgga	ggacacggcc	acctatttct	gtgccagaga	tcttcgggat	ggtagtagta	360
ctggttatta	taaaatctgg	ggcccaggca	ccttggtcac	cgtctccttg	g	411

<210> 509  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Made in a lab

<400> 509	
Leu Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser	
1	5 10 15

<210> 510  
 <211> 15  
 <212> PRT  
 <213> Artificial Sequence

&lt;220&gt;

&lt;223&gt; Made in a lab

&lt;400&gt; 510

Pro Glu Tyr Asn Arg Pro Leu Leu Ala Asn Asp Leu Met Leu Ile  
 1 5 10 15

&lt;210&gt; 511

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Made in a lab

&lt;400&gt; 511

Tyr His Pro Ser Met Phe Cys Ala Gly Gly Gly Gln Asp Gln Lys  
 1 5 10 15

&lt;210&gt; 512

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Made in a lab

&lt;400&gt; 512

Asp Ser Gly Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu  
 1 5 10 15

&lt;210&gt; 513

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Made in a lab

&lt;400&gt; 513

Ala Pro Cys Gly Gln Val Gly Val Pro Asx Val Tyr Thr Asn Leu  
 1 5 10 15

&lt;210&gt; 514

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Made in a lab

&lt;400&gt; 514

Leu Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser  
 1 5 10 15

&lt;210&gt; 515

<211> 15  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 515  
Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg  
1 5 10 15

<210> 516  
<211> 15  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 516  
Val Ser Glu Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln  
1 5 10 15

<210> 517  
<211> 15  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 517  
Glu Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met  
1 5 10 15

<210> 518  
<211> 15  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 518  
Arg Ala Glu Pro Gly Thr Glu Ala Arg Arg His Tyr Asp Glu Gly  
1 5 10 15

<210> 519  
<211> 17  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

<400> 519  
Arg Ala Glu Pro Gly Thr Glu Ala Arg Arg Asn Tyr Asp Glu Gly Cys  
1 5 10 15



Gly

<210> 520  
 <211> 25  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Made in a lab

<400> 520  
 Val Gly Glu Gly Leu Tyr Gln Gly Val Pro Arg Ala Glu Pro Gly Thr  
 1 5 10 15  
 Glu Ala Arg Arg His Tyr Asp Glu Gly  
 20 25

<210> 521  
 <211> 21  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Made in a lab

<400> 521  
 Ala Pro Rhe Pro Asn Gly His Val Gly Ala Gly Gly Ser Gly Leu Leu  
 1 5 10 15  
 Pro Pro Pro Pro Ala  
 20

<210> 522  
 <211> 20  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Made in a lab

<400> 522  
 Leu Leu Val Val Pro Ala Ile Lys Lys Asp Tyr Gly Ser Gln Glu Asp  
 1 5 10 15  
 Phe Thr Gln Val  
 20

<210> 523  
 <211> 254  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Made in a lab

<220>  
 <221> VARIANT  
 <222> (1)...(254)  
 <223> Xaa = any amino acid

<400> 523  
 Met Ala Thr Ala Gly Asn Pro Trp Gly Trp Phe Leu Gly Tyr Leu Ile  
 1 5 10 15  
 Leu Gly Val Ala Gly Ser Leu Val Ser Gly Ser Cys Ser Gln Ile Ile  
 20 25 30  
 Asn Gly Glu Asp Cys Ser Pro His Ser Gln Pro Trp Gln Ala Ala Leu  
 35 40 45  
 Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln  
 50 55 60  
 Trp Val Leu Ser Ala Thr His Cys Phe Gln Asn Ser Tyr Thr Ile Gly  
 65 70 75 80  
 Leu Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met  
 85 90 95  
 Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu  
 100 105 110  
 Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu  
 115 120 125  
 Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala  
 130 135 140  
 Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg  
 145 150 155 160  
 Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Glu  
 165 170 175  
 Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys  
 180 185 190  
 Ala Gly Gly Gly Gln Xaa Gln Xaa Asp Ser Cys Asn Gly Asp Ser Gly  
 195 200 205  
 Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly  
 210 215 220  
 Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn Leu  
 225 230 235 240  
 Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser  
 245 250

&lt;210&gt; 524

&lt;211&gt; 765

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 524

atggccacag	caggaaatcc	ctggggctgg	ttcctggggt	acctcatcct	tggtgtcgca	60
ggatcgctcg	ttctctgtag	ctgcagccaa	atcataaacg	gcgaggactg	cagcccgac	120
tgccagccgc	ggcaggcggc	actggtcatg	gaaacgaat	tggtctgctc	ggcgctcctg	180
gtgcatccgc	agtgggtgct	gtcagccgca	cactgtttcc	agaactccca	caccatccgg	240
ctgggctcgc	acagtcctga	ggccgaccaa	gagccaggga	gccagatggt	ggaggccagc	300
ctctccgtac	ggcaccacaga	gtacaaacaga	cccttgctcg	ctaaccagct	catgctcatc	360
aagtggagcg	aatccgtgtc	cgagctctgac	accatccgga	gcatacgcat	tgcttcgcag	420
tgccctaccg	cggggaaactc	ttgcctcggt	tctggctggg	gtctgctggc	gaacggcaga	480
atgcctaccg	tgctgcagtg	cggtgaacgtg	tcggtggtgt	ctgaggaggt	ctgcagtaag	540
ctctatgacc	cgctgtacc	ccccagcatg	ttctgcgcgc	gcggagggca	agaccagaag	600
gaactctgca	acgggtgactc	tgggggggccc	ctgatctgca	acgggtactt	gcagggcctt	660
gtgtctttcg	gaaaagcccc	gtgtggcccaa	gttggcgtgc	caggtgtcta	caccaacctc	720
tgcaaatcca	ctgagtggtat	agagaaaacc	gtccaggcca	gttaa		765

&lt;210&gt; 525

&lt;211&gt; 254

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 525

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Met Ala Thr Ala Gly Asn Pro Trp Gly Trp Phe Leu Gly Tyr Leu Ile
1      5      10      15
Leu Gly Val Ala Gly Ser Leu Val Ser Gly Ser Cys Ser Gln Ile Ile
20     25     30
Asn Gly Glu Asp Cys Ser Pro His Ser Gln Pro Trp Gln Ala Ala Leu
35     40     45
Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln
50     55     60
Trp Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly
65     70     75     80
Leu Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met
85     90     95
Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu
100    105    110
Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu
115    120    125
Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala
130    135    140
Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg
145    150    155    160
Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Glu
165    170    175
Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys
180    185    190
Ala Gly Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly
195    200    205
Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly
210    215    220
Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn Leu
225    230    235    240
Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
245    250

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&lt;210&gt; 526

&lt;211&gt; 963

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 526

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aactgcgatcg tggctttcat cgtaaggacg gaacgcagcc tgcacgctcc gatgtacctc 180
tttctctgca tgcattgcagc cattgacctg gccttatcca catccaccat gcctaagatc 240
cttgcccttt tctggtttga ttcccagagag attagctttg aggcctgtct taaccagatg 300
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gcccaagattg gcatgtggc ttgtgtccgc ggaatccctct tttttttccc agtcctctctg 480
ctgatacaagc gctgggctct ctgccactcc aatgtccctc cgcactccca ttgtgtccac 540
caggatgttaa tgaagttggc ctatgcagac accttgccca atgtggata ttgtgttata 600
gccattctgc ttgctatggg cgtggacgta atgttcatct ccttgtccca ttttctgata 660
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caccgctttg gaacagacct tcatcccatc gtgcgtgttg tcatgggtga catctacctg 840
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cggtgtgctg ctatgttcaa gatcagctgt gacaaggact tgcaggctgt gggaggcaag 963
tga

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&lt;210&gt; 527

&lt;211&gt; 320

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 527

Met Ser Ser Cys Asn Phe Thr His Ala Thr Phe Val Leu Ile Gly Ile  
                                   5                                  10                                  15

Pro Gly Leu Glu Lys Ala His Phe Trp Val Gly Phe Pro Leu Leu Ser  
                                   20                                  25                                  30

Met Tyr Val Val Ala Met Phe Gly Asn Cys Ile Val Val Phe Ile Val  
                                   35                                  40                                  45

Arg Thr Glu Arg Ser Leu His Ala Pro Met Tyr Leu Phe Leu Cys Met  
                                   50                                  55                                  60

Leu Ala Ala Ile Asp Leu Ala Leu Ser Thr Ser Thr Met Pro Lys Ile  
                                   65                                  70                                  75                                  80

Leu Ala Leu Phe Trp Phe Asp Ser Arg Glu Ile Ser Phe Glu Ala Cys  
                                   85                                  90                                  95

Leu Thr Gln Met Phe Phe Ile His Ala Leu Ser Ala Ile Glu Ser Thr  
                                   100                                  105                                  110

Ile Leu Leu Ala Met Ala Phe Asp Arg Tyr Val Ala Ile Cys His Pro  
                                   115                                  120                                  125

Leu Arg His Ala Ala Val Leu Asn Asn Thr Val Thr Ala Gln Ile Gly  
                                   130                                  135                                  140

Ile Val Ala Val Val Arg Gly Ser Leu Phe Phe Phe Pro Leu Pro Leu  
                                   145                                  150                                  155                                  160

Leu Ile Lys Arg Leu Ala Phe Cys His Ser Asn Val Leu Ser His Ser  
                                   165                                  170                                  175

Tyr Cys Val His Gln Asp Val Met Lys Leu Ala Tyr Ala Asp Thr Leu  
                                   180                                  185                                  190

Pro Asn Val Val Tyr Gly Leu Thr Ala Ile Leu Leu Val Met Gly Val  
                                   195                                  200                                  205

Asp Val Met Phe Ile Ser Leu Ser Tyr Phe Leu Ile Ile Arg Thr Val  
                                   210                                  215                                  220

Leu Gln Leu Pro Ser Lys Ser Glu Arg Ala Lys Ala Phe Gly Thr Cys  
                                   225                                  230                                  235                                  240

Val Ser His Ile Gly Val Val Leu Ala Phe Tyr Val Pro Leu Ile Gly  
                                   245                                  250                                  255

Leu Ser Val Val His Arg Phe Gly Asn Ser Leu His Pro Ile Val Arg  
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Val Val Met Gly Asp Ile Tyr Leu Leu Leu Pro Pro Val Ile Asn Pro  
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Ile Ile Tyr Gly Ala Lys Thr Lys Gln Ile Arg Thr Arg Val Leu Ala  
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Val Lys Thr Leu Gly Ser Lys Arg Cys Lys Trp Cys Cys His Cys Phe
          35              40              45

Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Val Val Ala Trp Gly Asp
          50              55              60

Tyr Asp Asp Ser Ala Phe Met Asp Pro Arg Tyr His Val His Gly Glu
          65              70              75

Asp Leu Asp Lys Leu His Arg Ala Ala Trp Trp Gly Lys Val Pro Arg
          85              90              95

Lys Asp Leu Ile Val Met Leu Arg Asp Thr Asp Val Asn Lys Arg Asp
          100             105             110

Lys Gln Lys Arg Thr Ala Leu His Leu Ala Ser Ala Asn Gly Asn Ser
          115             120             125

Glu Val Val Lys Leu Val Leu Asp Arg Arg Cys Gln Leu Asn Val Leu

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130 135 140

Asp Asn Lys Lys Arg Thr Ala Leu Thr Lys Ala Val Gln Cys Gln Glu  
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Asp Glu Cys Ala Leu Met Leu Leu Glu His Gly Thr Asp Pro Asn Ile  
165 170 175

Pro Asp Glu Tyr Gly Asn Thr Thr Leu His Tyr Ala Val Tyr Asn Glu  
180 185 190

Asp Lys Leu Met Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu  
195 200 205

Ser Lys Asn Lys His Gly Leu Thr Pro Leu Leu Leu Gly Ile His Glu  
210 215 220

Gln Lys Gln Gln Val Val Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu  
225 230 235 240

Asn Ala Leu Asp Arg Tyr Gly Arg Thr Ala Leu Ile Leu Ala Val Cys  
245 250 255

Cys Gly Ser Ala Ser Ile Val Ser Pro Leu Leu Glu Gln Asn Val Asp  
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Val Ser Ser Gln Asp Leu Glu Arg Arg Pro Glu Ser Met Leu Phe Leu  
275 280 285

Val Ile Ile Met  
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Arg Lys Gln Ala Ala Gly Ser Gly Ala Gly Tyr Ala Leu Pro Ser Ala  
20 25 30

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35 40 45

Ala Lys Arg Pro Thr Thr Gly His Leu Glu Lys Glu Phe Met Phe His  
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Cys Arg Lys Gln Pro Gly Ser Pro Ser Arg Gly Leu Gly Leu Leu Trp  
65 70 75 80

Pro Trp Pro Asp Ile Glu Phe Val Pro Arg Gln Asp Lys Leu Thr Gln  
85 90 95

Ser Ser Val Leu Val Pro Gln Ile Cys Ala Cys Gln Thr Arg Pro Asn  
100 105 110

Trp Leu Asn Glu Gln Pro Ala Thr Ser Ala Gly Val Arg Leu Glu Glu  
115 120 125

Val Asp Gln Pro Pro Thr Leu Pro Ser Gln Gly Ser Gly Trp Pro Cys  
130 135 140

Ser His Ser Leu Ser Gly Cys His Leu Met Ala Asp Ile Ala Lys Ala  
145 150 155 160

Leu Gly Lys Ala Asp Gly Pro Trp Pro Tyr Leu Phe Val Arg Arg Thr  
165 170 175

Asp Val Pro Cys Pro Ala Ala Ser Glu Val Gly Gly Cys Ala Pro Ser  
180 185 190

Ser Trp His Thr Leu Ala Glu Val Thr Gly Cys Ser Leu Ser Pro Leu  
195 200 205

Ser Leu Ala Gln His Ala Gln Ala Ser Val Leu Leu Leu Cys Tyr Lys  
210 215 220

Trp Ser His Ile Gly Glu Thr Ser Ser His Leu Arg Ser Lys Val Tyr  
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Ala Ala Phe Gly Gly Ser Ser Pro Cys Leu Lys Gly Leu Met Ser Leu  
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<211> 6082

<212> DNA

<213> Homo sapiens



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Phe Thr Val Arg Pro Gly Glu Leu Leu Ala Val Val Gly Pro Val Gly		
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Leu Ala Arg Ala Val Tyr Gln Asp Ala Asp Ile Tyr Leu Leu Asp Asp		
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Pro Leu Ser Ala Val Asp Ala Glu Val Ser Arg His Leu Phe Glu Leu		
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Cys Ile Cys Gln Ile Leu His Glu Lys Ile Thr Ile Leu Val Thr His		
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Lys Met Ser Ile Ile	Pro Gln Glu Pro Val Leu	Phe Thr Gly Thr Met
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Arg Lys Asn Leu Asp	Pro Phe Asn Glu His Thr	Asp Glu Glu Leu Trp
	1090	1095 1100
Asn Ala Leu Gln Glu	Val Gln Leu Lys Glu Thr	Ile Glu Asp Leu Pro
	1105	1110 1115 1120
Gly Lys Met Asp Thr	Glu Leu Ala Glu Ser Gly	Ser Asn Phe Ser Val
	1125	1130 1135
Gly Gln Arg Gln Leu	Val Cys Leu Ala Arg Ala	Ile Leu Arg Lys Asn
	1140	1145 1150
Gln Ile Leu Ile Ile	Asp Glu Ala Thr Ala Asn	Val Asp Pro Arg Thr
	1155	1160 1165
Asp Glu Leu Ile Gln	Lys Lys Ile Arg Glu Lys	Phe Ala His Cys Thr
	1170	1175 1180
Val Leu Thr Ile Ala	His Arg Leu Asn Thr	Ile Ile Asp Ser Asp Lys
	1185	1190 1195 1200
Ile Met Val Leu Asp	Ser Gly Arg Leu Lys Glu Tyr	Asp Glu Pro Tyr
	1205	1210 1215
Val Leu Leu Gln Asn	Lys Glu Ser Leu Phe Tyr	Lys Met Val Gln Gln
	1220	1225 1230
Leu Gly Lys Ala Glu	Ala Ala Ala Leu Thr	Glu Thr Ala Lys Gln Arg
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<220>  
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<210> 540  
<211> 9  
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<220>  
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<210> 541  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 541  
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<210> 542  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 542  
Thr Gln Val Val Phe Asp Lys Ser Asp Leu Ala Lys Tyr Ser Ala  
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<210> 543  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 543  
Phe Met Gly Ser Ile Val Gln Leu Ser Gln Ser Val  
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Cys Arg Met Pro Arg Thr Leu Arg Arg Leu  
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<210> 548  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 548  
Ile Asp Trp Asp Thr Ser Ala Leu Ala Pro Tyr Leu Gly Thr Gln Glu  
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Glu Cys

<210> 549  
<211> 18  
<212> PRT  
<213> Homo sapiens

<400> 549  
Leu Glu Ala Leu Leu Ser Asp Leu Phe Arg Asp Pro Asp His Cys Arg  
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Gln Ala

<210> 550  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 550  
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<210> 551  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Made in a lab

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<210> 552  
<211> 2577  
<212> DNA  
<213> Homo sapiens

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&lt;210&gt; 553

&lt;211&gt; 58

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 553

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Ser Ile Cys Asn Met Thr Cys Ala Ser Val Phe Phe Cys Asp Gln Lys
          5                      10                      15

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Phe Leu Thr Phe Ser Phe Leu Ser Met Val Glu Pro Pro Arg Ala Gly
          20                      25                      30

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Val Leu Asn Ser Gln Ala Thr Asp Ser Tyr Gln Ser Thr Asp Tyr Tyr
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```

```

Glu Pro His His Thr Gly Gly Gly Glu His
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<210> 554  
 <211> 59  
 <212> PRT  
 <213> Homo sapiens

<400> 554  
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 Cys Ala Ala Glu Ala Ser Thr Lys Pro Tyr Phe Tyr Thr Cys Leu Val  
                             20                            25                            30  
 Met Leu His Gly Gln Gly Leu Ala Leu Leu Ser Pro Thr Asn Leu Pro  
                             35                            40                            45  
 Glu Ile Leu Arg Phe Leu Phe Asn Gly Phe Leu  
                             50                            55

<210> 555  
 <211> 71  
 <212> PRT  
 <213> Homo sapiens

<400> 555  
 Leu Gly Arg Phe Ser Leu Ser Cys Lys Ser Gly His Ser Arg Gly Gln  
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 Pro Gln Leu Gly Ala Thr Ala Gln Gly Lys Val His Met Gly Leu Ser  
                             20                            25                            30  
 Thr Ala Gln Gly Ser Ile Gln Asp Ile Lys Val Pro His Ser Ile Asp  
                             35                            40                            45  
 Leu Val Ala Lys Lys Lys Lys Gln Thr Leu Ile Ser Phe Cys His Pro  
                             50                            55                            60  
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                             65                            70

<210> 556  
 <211> 81  
 <212> PRT  
 <213> Homo sapiens

<400> 556  
 Asn His Pro Glu Gln Gly Ser Ser Thr Pro Arg Pro Gln Thr His Thr  
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 Ser Pro Arg Thr Ile Met Asn His Thr Thr Gln Glu Glu Val Ser Thr  
                             20                            25                            30  
 Arg Gln Ala Lys Glu Ala Ser Pro Val Leu Thr Ala Thr Arg His Gly  
                             35                            40                            45  
 Ser Tyr Tyr Ser Leu Asn Ser Ala Ser Thr Gln Ile Ser Asp Asn Ile

50					55					60					
Arg	Asn	Ser	Leu	Glu	His	Glu	Pro	Cys	Cys	Glu	Leu	Pro	Ile	Arg	Arg
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Ile

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<210> 557
<211> 54
<212> PRT
<213> Homo sapiens
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<400> 557  
Ser Leu Ser Ala Thr Pro Leu Thr Leu Trp Asn Ser Ser Asp Pro Leu  
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Glu Gln Ala Tyr Leu Ile Ser Ala Arg Glu Lys Thr Asn Asn Gly Leu  
20 25 30

Lys Gly Ser Leu Thr Met Lys Val Ser Ala Asn Ser Trp Leu Arg Cys  
35 40 45

Gly Phe His Ile Arg Phe  
50

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<210> 558
<211> 77
<212> PRT
<213> Homo sapiens
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<220>  
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<222> (1)...(77)  
<223> Xaa = Any amino acid
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<400> 558  
Asn Asp Arg Asp Arg Asn Ser Asn Lys Val Ile Xaa Lys Ala Asn Leu  
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Ile Tyr Phe Thr Asn Leu Thr Ser Cys Leu Ser Val Gln Asn Gln Thr  
20 25 30

Phe Thr Cys Thr Lys Arg His Lys His Leu Gln Cys Ser Ser Val His  
35 40 45

Leu Cys Lys Ile Pro Pro Arg Leu Lys Gly Arg Asp Lys Lys Lys Lys  
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Pro Ser Tyr Leu Ser Gly Val Leu His Ser Arg Ser Tyr  
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```
<210> 559
<211> 50
<212> PRT
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<213> Homo sapiens

<400> 559

Thr Leu Pro Pro Leu Arg Ser Val Ile Thr Leu Glu Thr His Trp Ser  
5 10 15

Thr Asn Pro Val Val Asn Cys Leu Ser Glu Gly Ser Arg Leu Cys Ala  
20 25 30

Ser Tyr Glu Asn Leu Met Pro Asp Asp Leu Ser Leu Ser His Phe Ala  
35 40 45

Pro Arg  
50

<210> 560

<211> 56

<212> PRT

<213> Homo sapiens

<400> 560

Ile Gly Ser Leu Lys Gly Pro Thr Thr Ala Gly Ser His Cys Ser Gly  
5 10 15

Glu Gly Ser Tyr Gly Thr Phe Tyr Cys Pro Arg Phe Tyr Thr Gly Tyr  
20 25 30

Lys Gly Ala Ser Gln Tyr Arg Ser Gly Ser Lys Glu Glu Glu Thr Asn  
35 40 45

Thr Asp Leu Phe Leu Pro Pro Leu  
50 55

&lt;210&gt; 561

<211> 57

<212> PRT

<213> Homo sapiens

<220>

&lt;221&gt; VARIANT

<222> (1) ... (57)

<223> Xaa = Any amino acid

<400> 561

Val Leu His Leu Asp Gln Met Asn Asn Val Gly Ile Xaa Met Asp Lys  
5 10 15

Gly Leu Lys Ser Pro Glu Ile Lys Asn Pro Ala Pro Thr Gly Thr Ser  
20 25 30

Asn Leu Ser Cys Phe Leu Ser Xaa Phe Trp Leu Met Gln Gly Thr Asn  
35 40 45

Ser Leu Pro Arg Glu Asn Tyr Leu Asn  
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<210> 562
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> VARIANT
<222> (1)...(59)
<223> Xaa = Any amino acid
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4002 562  
Asp Leu Tyr Pro Xaa Arg Ser Gln His Cys Ser Phe Asp Pro Ser Val  
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Ala Pro Met His Gly Ile Lys Asn Ser Ile Thr Ser Leu Ile Phe Leu  
                  20                       25                       30  
Ile Ser Tyr Leu Xaa Leu Glu Met Ser Ser Leu Ser Glu Ser Leu Val  
                  35                       40                       45  
Leu Ser Ser Gly Asp Tyr Val Leu Asp Thr Pro  
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<210> 563
<211> 79
<212> PRT
<213> Homo sapiens
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<400> 563
Cys Phe Leu Phe Pro Tyr Leu Trp Leu Tyr Ala Gln Pro Leu Phe Pro
      5              10              15

Lys Gln Gln Pro Pro Ala Leu Ala Pro Gly His Pro Asp Phe Ile His
      20              25              30

Thr Gln Asn Glu Gln Ile Asp Pro Ser Pro His Ile Gln Asn Leu Met
      35              40              45

Trp Asn Pro His Leu Ser Gln Glu Leu Ala Glu Thr Phe Met Val Arg
      50              55              60

Asp Pro Leu Arg Pro Leu Leu Val Phe Ser Leu Ala Asp Ile Arg
      65              70              75

```

```
<210> 564
<211> 64
<212> PRT
<213> Homo sapiens
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<400> 564  
Ala Cys Ser Lys Gly Ser Glu Glu Phe Gln Arg Val Arg Gly Val Ala  
5 10 15  
Glu Arg Asp Gln Cys Leu Phe Leu Leu Cys Tyr Gln Ile Tyr Thr  
20 25 30

Val Arg His Leu Tyr Ile Leu Tyr Arg Thr Leu Gly Ser Arg Lys Ser  
35 40 45

His Met Asn Leu Pro Leu Ser Ser Gly Ser Gln Leu Trp Leu Ala Pro  
50 55 60

<210> 565

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (1)...(57)

<223> Xaa = Any amino acid

<400> 565

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5 10 15

Ala Val Cys Cys Gly Ser Ala Ser Ile Val Ser Leu Leu Leu Glu Gln  
20 25 30

Asn Ile Asp Val Ser Ser Gln Asp Leu Ser Gly Gln Thr Ala Arg Glu  
35 40 45

Tyr Ala Val Ser Ser Xaa His Asn Val  
50 55

<210> 566

<211> 55

<212> PRT

<213> Homo sapiens

<400> 566

Ile Leu Leu Glu Phe Phe Arg Asn Gln Arg Gly Ser Leu Asn Pro Arg  
5 10 15

Lys Thr Val Pro Phe Ile Lys Ser Glu Gly Gly Glu Lys Lys Gly His  
20 25 30

Cys Asn His Ser Val Val Ser Ile Asp Ser Ala Ala Ala Leu Leu Pro  
35 40 45

Leu Lys Leu Val Leu Leu Pro  
50 55

<210> 567

<211> 51

<212> PRT

<213> Homo sapiens

<400> 567

Tyr Ser Asp Phe Asp Val Phe Cys Ser His Thr Tyr Gly Tyr Met Leu

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Ser His Cys Ser Gln Ser Ser Ser Pro Leu Leu Trp Pro Leu Gly Ile					
	20		25		30
Leu Thr Leu Ser Thr His Lys Met Ser Lys Leu Thr Leu Pro Pro Ile					
	35		40		45
Phe Arg Thr					
	50				

&lt;210&gt; 568

&lt;211&gt; 75

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 568

Lys Val Gly Glu Tyr Ile Leu Gln Ser Leu Leu Arg Ile Arg Lys Ile			
	5	10	15

Tyr Val Ala Phe Asn Ser Val Pro Ser Thr Cys Leu Leu Ala Ser Leu			
	20	25	30

Thr Glu Thr Pro Val Thr Thr Ile Leu Thr Ile Ile Asn Leu Thr			
	35	40	45

Cys Phe Gln His Ala Glu Ser Ser Tyr Leu Phe Tyr Pro Leu Ala Asp			
	50	55	60

Phe Leu Leu Gln His Ile Ser Leu Gly Lys Leu		
	65	70

&lt;210&gt; 569

&lt;211&gt; 4809

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 569

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&lt;210&gt; 570

&lt;211&gt; 951

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 570

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&lt;210&gt; 571

&lt;211&gt; 819

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 571

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&lt;210&gt; 572

&lt;211&gt; 203

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 572

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<210> 573

<211> 132

<212> PRT

<213> Homo sapiens

<400> 573

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Arg Glu Arg Val Arg Gly Glu Thr Ala Thr Asn Phe Phe Phe Leu Arg  
20 25 30

Gln Glu Ser Gly Pro Val Ala Gln Ala Gly Val Gln Trp His Asp Leu  
35 40 45

Ser Ser Leu Gln Pro Leu Pro His Arg Phe Lys Gln Phe Ser Cys Leu  
50 55 60

Ser Leu Pro His Ser Trp Asp His Arg Tyr Ala Pro Pro His Leu Ala  
65 70 75 80

Asn Phe Cys Ser Phe Ser Arg Asp Gly Val Ser Leu Cys Cys Ser Gly  
85 90 95

Trp Ser Lys Thr Pro Gly Leu Gln Gln Ser Ala Cys Leu Gly Leu Pro  
100 105 110

Lys Cys Trp Gly Tyr Arg His Lys Pro Pro His Pro Ala Cys His Ile  
115 120 125

Leu Leu Asn Tyr  
130

<210> 574

<211> 62

<212> PRT

<213> Homo sapiens

<400> 574

Met Thr His Ser Ala Trp Leu Glu Arg Pro Gln Glu Thr Tyr Asn  
5 10 15

His Gly Gly Arg Arg Arg Gly Ser Lys Ala Arg Leu Thr Trp Trp Gln  
20 25 30

Glu Arg Thr Ser Glu Gly Gly Asp Cys His Lys Leu Phe Phe Phe Glu  
35 40 45

Thr Arg Val Trp Pro Cys Cys Pro Gly Trp Ser Ala Val Ala  
50 55 60

<210> 575



20 25 30

Pro Ala Pro Val Pro Gly Ser Phe Pro Met Phe Pro Arg Phe Gly Phe  
35 40 45

Arg Leu Ala Pro Pro Ala Asp Thr Pro  
50 55

<210> 578  
<211> 51  
<212> PRT  
<213> Homo sapiens

<400> 578  
Met Gln Leu Ile Tyr Leu Cys Phe Leu Gly Leu Leu Tyr Ile Arg His  
5 10 15

His Asp Ser Gln Ser Phe Val Ile Leu Tyr Tyr Lys Lys Leu Asn Tyr  
20 25 30

Tyr Phe Lys Tyr Gly Gln Ile Arg Ala Phe His Ile Ala Lys Val Tyr  
35 40 45

Gln Pro His  
50

<210> 579  
<211> 56  
<212> PRT  
<213> Homo sapiens

<400> 579  
Met His Phe Thr Phe Met Gln Leu Ile Tyr Leu Cys Phe Leu Gly Leu  
5 10 15

Leu Tyr Ile Arg His His Asp Ser Gln Ser Phe Val Ile Leu Tyr Tyr  
20 25 30

Lys Lys Leu Asn Tyr Tyr Phe Lys Tyr Gly Gln Ile Arg Ala Phe His  
35 40 45

Ile Ala Lys Val Tyr Gln Pro His  
50 55

<210> 580  
<211> 67  
<212> PRT  
<213> Homo sapiens

<400> 580  
Met Glu Leu Arg Thr Lys Ala Leu Arg Thr Ala Gln Gln Leu Thr Ser  
5 10 15

Cys Val Thr Ala Leu Lys Ala Ala Gly Pro Pro Leu Thr Phe Trp Lys  
20 25 30

Gly Lys Trp Val Gln Cys Cys Leu Pro Leu Trp Gly Leu Leu Gly Ser  
 35 40 45

His Ala Phe Tyr Ile Tyr Ala Val Asp Ile Phe Met Phe Pro Gly Ser  
 50 55 60

Phe Ile His  
 65

<210> 581

<211> 77

<212> PRT

<213> Homo sapiens

<400> 581

Met Leu Glu Val Lys Phe Glu Val Ser Leu Arg Pro Thr Gly Asn Glu  
 5 10 15

Thr Ala Gly Gln Thr His Gly Thr Gln Asp Lys Gly Ser Lys Asp Ser  
 20 25 30

Thr Ala Ala Asp Ile Leu Cys Asp Ser Leu Glu Ser Ser Arg Pro Ala  
 35 40 45

Ala His Ile Leu Glu Gly Lys Met Gly Thr Met Leu Ser Ala Thr Leu  
 50 55 60

Gly Pro Ser Trp Val Thr Cys Ile Leu His Leu Cys Ser  
 65 70 75

<210> 582

<211> 51

<212> PRT

<213> Homo sapiens

<400> 582

Met Leu Phe Leu Gln Thr Ile Asp Thr Lys Cys Thr Gly Ile Glu Ile  
 5 10 15

Asn Arg Asn Trp Ser Lys Val Trp His Thr His Ser His Val Asp Val  
 20 25 30

Lys Leu Cys Leu Glu Phe Leu Cys Gly Val Trp Phe Gly Leu Gly Phe  
 35 40 45

Leu Gly Val  
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<210> 583

<211> 60

<212> PRT

<213> Homo sapiens

<400> 583

Met Ser Thr Ser Asp Gly Phe Ala Pro Pro Pro Gln Leu Gly Ser Arg  
5 10 15

Cys Ser His Ile Arg Gly Pro Ile Lys Ile Ala Arg Asn Lys Phe Pro  
20 25 30

Arg Thr Leu Thr Ser Gln Glu Leu Arg Arg Phe Ala Glu Tyr Ser Gly  
35 40 45

Met Met Phe Gly Asp Gln Thr Thr Ala Gly Gln Lys  
50 55 60

<210> 584

<211> 76

<212> PRT

<213> Homo sapiens

<400> 584

Met Cys Leu Cys Ile Pro Leu Gly Gly Tyr Gln Glu Leu Cys His Cys  
5 10 15

Met Ser Thr Ser Asp Gly Phe Ala Pro Pro Pro Gln Leu Gly Ser Arg  
20 25 30

Cys Ser His Ile Arg Gly Pro Ile Lys Ile Ala Arg Asn Lys Phe Pro  
35 40 45

Arg Thr Leu Thr Ser Gln Glu Leu Arg Arg Phe Ala Glu Tyr Ser Gly  
50 55 60

Met Met Phe Gly Asp Gln Thr Thr Ala Gly Gln Lys  
65 70 75

<210> 585

<211> 50

<212> PRT

<213> Homo sapiens

<400> 585

Met Val Tyr Arg Phe Gly Gln Met Ser Asp Asn Pro Phe Tyr Ile Leu  
5 10 15

Ala Ser Leu Gly Ser Ser Ser Cys Arg Asn Gly Leu Ala Ser Lys Trp  
20 25 30

Arg Gln Ala Asp Pro Ser Asp Gly Tyr Met Glu Pro Cys Phe Gln Leu  
35 40 45

Leu Phe  
50

<210> 586

<211> 60

<212> PRT

<213> Homo sapiens

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<210> 587
<211> 1408
<212> DNA
<213> Homo sapiens
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<210> 588
<211> 81
<212> PRT
<213> Homo sapiens
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<400> 588  
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5 10 15  
Leu Gln Phe Arg Gln Tyr Asn Lys Ser Val His Glu Val Asn Leu Lys  
20 25 30

Gly Ala Cys Phe Thr Val Ala Gly Leu Pro Arg Ala Trp Thr Thr Gln  
 35 40 45  
 Tyr Ser Ile Ile Asp Lys Arg Ile Arg Gln Glu Ile Tyr Thr Cys Cys  
 50 55 60  
 Leu Ala Phe Val Val Ile Tyr Thr Asn Glu Asn Met Tyr Tyr Ser Tyr  
 65 70 75 80  
 Ile

<210> 589  
 <211> 157  
 <212> PRT  
 <213> Homo sapiens

<400> 589  
 Met Thr Met Cys Leu Cys Val Ala Pro Met Gly Arg Ala Thr Arg Met  
 5 10 15  
 Ser Val Thr Cys Asp Arg Leu His Ala Asn Ser Arg Val Arg Tyr Leu  
 20 25 30  
 Trp Cys Gln Lys Asp His Val Pro Gln Met Gln Asp Gln Asp Leu Glu  
 35 40 45  
 Met Glu Ser Met Lys Ala Leu Glu Lys Leu Val Lys Arg Arg His Pro  
 50 55 60  
 Pro Val Ile Phe Ala Ser Leu Val Gln Asn Val Thr Lys Met Pro Arg  
 65 70 75 80  
 Met Ser Gly Val Cys Val Ile Leu Thr Val Leu Lys Pro Thr Ser Ile  
 85 90 95  
 Pro Ser Ala Leu Leu Met Gly Asn Leu Met Ile Met His Ala Lys Ser  
 100 105 110  
 Lys Lys His Arg Val Arg Asn Arg Arg Lys Leu Lys Ser Cys Leu Trp  
 115 120 125  
 Val Asp Val Lys Ile Thr Gln Leu Gln Leu Leu Ser Leu Lys Met Gly  
 130 135 140  
 Ile Met Gln Glu Gln Ile Met Gln Arg Met Leu Thr Asn  
 145 150 155

<210> 590  
 <211> 347  
 <212> PRT  
 <213> Homo sapiens

<400> 590  
 Met Leu Leu Ile Val Ala Arg Pro Val Lys Leu Ala Ala Phe Pro Thr  
 5 10 15

Ser Leu Ser Asp Cys Gln Thr Pro Thr Gly Trp Asn Cys Ser Gly Tyr  
 20 25 30  
 Asp Asp Arg Glu Asn Asp Leu Phe Leu Cys Asp Thr Asn Thr Cys Lys  
 35 40 45  
 Phe Asp Gly Glu Cys Leu Arg Ile Gly Asp Thr Val Thr Cys Val Cys  
 50 55 60  
 Gln Phe Lys Cys Asn Asn Asp Tyr Val Pro Val Cys Gly Ser Asn Gly  
 65 70 75 80  
 Glu Ser Tyr Gln Asn Glu Cys Tyr Leu Arg Gln Ala Ala Cys Lys Gln  
 85 90 95  
 Gln Ser Glu Ile Leu Val Val Ser Glu Gly Ser Cys Ala Thr Asp Ala  
 100 105 110  
 Gly Ser Gly Ser Gly Asp Gly Val His Glu Gly Ser Gly Glu Thr Ser  
 115 120 125  
 Gln Lys Glu Thr Ser Thr Cys Asp Ile Cys Gln Phe Gly Ala Glu Cys  
 130 135 140  
 Asp Glu Asp Ala Glu Asp Val Trp Cys Val Cys Asn Ile Asp Cys Ser  
 145 150 155 160  
 Gln Thr Asn Phe Asn Pro Leu Cys Ala Ser Asp Gly Lys Ser Tyr Asp  
 165 170 175  
 Asn Ala Cys Gln Ile Lys Glu Ala Ser Cys Gln Lys Gln Glu Lys Ile  
 180 185 190  
 Glu Val Met Ser Leu Gly Arg Cys Gln Asp Asn Thr Thr Thr Thr Thr  
 195 200 205  
 Lys Ser Glu Asp Gly His Tyr Ala Arg Thr Asp Tyr Ala Glu Asn Ala  
 210 215 220  
 Asn Lys Leu Glu Glu Ser Ala Arg Glu His His Ile Pro Cys Pro Glu  
 225 230 235 240  
 His Tyr Asn Gly Phe Cys Met His Gly Lys Cys Glu His Ser Ile Asn  
 245 250 255  
 Met Gln Glu Pro Ser Cys Arg Cys Asp Ala Gly Tyr Thr Gly Gln His  
 260 265 270  
 Cys Glu Lys Lys Asp Tyr Ser Val Leu Tyr Val Val Pro Gly Pro Val  
 275 280 285  
 Arg Phe Gln Tyr Val Leu Ile Ala Ala Val Ile Gly Thr Ile Gln Ile  
 290 295 300  
 Ala Val Ile Cys Val Val Val Leu Cys Ile Thr Arg Lys Cys Pro Arg  
 305 310 315 320



Ser Asn Arg Ile His Arg Gln Lys Gln Asn Thr Gly His Tyr Ser Ser  
325 335

Asp Asn Thr Thr Arg Ala Ser Thr Arg Leu Ile  
340 345

<210> 591  
<211> 565  
<212> DNA  
<213> Homo sapien

<400> 591  
actaaagcaa atgaacaagc tgacttgcta gtatcatctg cattcattga agcacaagaa 60  
cttcattgct tgactcatgt aaatgcaata ggattaaaaa ataaatttga tatcacatgg 120  
aaacagacaa aaaattattgt acaacattgc acccagtgct agattctaca cctggccact 180  
caggaagcaa gagttaatcc cagaggtcta tgtcctaagt tgttatggca aatggatgtc 240  
atgcacgtac cttcatttgg aaaattgtca ttgtccatgt tgacagtgtg tactatttca 300  
catttcatat gggcaacctg ccagacagga gaaagtaact cccatgttaa aagacattta 360  
ttatcttgtt ttctgttcat gggagttcca gaaaaagtta aaacagacaa tggggccaggt 420  
tactgtagta aagcatttca aaaattctta aatcagtgtg aaattacaca tacaatagga 480  
attctctata attcccaagg acaggccata attgaaggaa ctaatagaac actcaaaagt 540  
caattgggtta aacaaaaaaa aaaaa 565

<210> 592  
<211> 188  
<212> PRT  
<213> Homo sapien

<400> 592  
Thr Lys Ala Asn Glu Gln Ala Asp Leu Leu Val Ser Ser Ala Phe Ile  
1 5 10 15  
Glu Ala Gln Glu Leu His Ala Leu Thr His Val Asn Ala Ile Gly Leu  
20 25 30  
Lys Asn Lys Phe Asp Ile Thr Trp Lys Gln Thr Lys Asn Ile Val Gln  
35 40 45  
His Cys Thr Gln Cys Gln Ile Leu His Leu Ala Thr Gln Glu Ala Arg  
50 55 60  
Val Asn Pro Arg Gly Leu Cys Pro Asn Val Leu Trp Gln Met Asp Val  
65 70 75 80  
Met His Val Pro Ser Phe Gly Lys Leu Ser Phe Val His Val Thr Val  
85 90 95  
Asp Thr Tyr Ser His Phe Ile Trp Ala Thr Cys Gln Thr Gly Glu Ser  
100 105 110  
Thr Ser His Val Lys Arg His Leu Leu Ser Cys Phe Pro Val Met Gly  
115 120 125  
Val Pro Glu Lys Val Lys Thr Asp Asn Gly Pro Gly Tyr Cys Ser Lys  
130 135 140  
Ala Phe Gln Lys Phe Leu Asn Gln Trp Lys Ile Thr His Thr Ile Gly  
145 150 155 160  
Ile Leu Tyr Asn Ser Gln Gly Gln Ala Ile Ile Glu Gly Thr Asn Arg  
165 170 175  
Thr Leu Lys Ala Gln Leu Val Lys Gln Lys Lys Lys  
180 185

<210> 593  
<211> 271

<212> DNA  
 <213> Homo sapien  
 <220>  
 <221> misc\_feature  
 <222> (1)...(271)  
 <223> n = A,T,C or G

<400> 593	
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gtccctagct ggggtctata catgncnggg naagggcngc tgagtnccat nagcaaaagga	180
nctagnatnt gcgggggtgc ggcctgggcc taccctttna agcatccntn gatccactcc	240
angaanccng gggtagncag gtttnccaac a	271

<210> 594  
 <211> 376  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(376)  
 <223> n = A,T,C or G

<400> 594	
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gcgccctonn ggccaacaa agttatcgtt nttgaagaga anattttttt ggnttngncc	120
cgattaaagc ncaaattgtt agcaaaangc cgtgccattt gtggcgtagc tncgtcggtt	180
cgattcgacg acaaggcgtn gcgcgtatnc gttagtctcn aatngaccnc gtggcatgag	240
cccacgagng nttcgtgtgc tcacatggnc tctagacata acgcncncnc ttttttncag	300
agggggntgc gcgcccttagg gaggnagggg tggggacact agccaancca nantctnacc	360
ccattgaaga aaaggn	376

<210> 595  
 <211> 242  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(242)  
 <223> n = A,T,C or G

<400> 595	
agnctgctgn tcgtnccttn tatgtggctt catnntgagg acaanagtng cactgaggct	60
tgnnatgccc aggcaagcnc aagctggctc aaaaagcatc caccacacctc tgnaangggg	120
atgccanagc cangtgcacc agtcccaact angagncccn ggcatgntac atctctctcc	180
accctnaaa ntttngccta caangnccat ttttctttt ctcttaaggg noncntggct	240
tc	242

<210> 596  
 <211> 535  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature

&lt;222&gt; (1)...(535)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 596

accagttgga	tactgctaaa	nagatattta	tgcagcctca	tatgttaagt	cgtatatattt	60
gaaagctttt	taaatTTTT	ctttaagaag	attttagatg	cttatccactg	agtaccagag	120
ggatgtaggc	tgatgccctt	atcaacaaag	tcagggaactg	tggcacacaa	ggattgacta	180
ctgcagacac	ggccacaagt	ctacctctag	agggcctgaa	tccccttgcc	ctctctgggtg	240
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gcagtggccc	ctttccatcc	acactgggaa	tatttcagta	ttttaccacc	aattcagcca	420
ttcccttggt	cgctggctga	acatcagccc	tgctccaggt	ctcagtttcc	cctttgtaaa	480
gggaaaagctc	tgatttcagg	gagtgatgaa	gaggtcatca	tggtcttgag	aattc	535

&lt;210&gt; 597

&lt;211&gt; 257

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(257)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 597

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attnctctta	agatnngatn	agaccocgtt	tttcacggaa	catatccaag	naccocaatag	180
gnaacaagcc	acggngggag	tcacaaacat	atattcttta	ctctcataat	ccgtnnnaca	240
naactnttgn	acttgac					257

&lt;210&gt; 598

&lt;211&gt; 222

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(222)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 598

nntggntacc	gtcnaaaactt	nncttggtac	cogagctcgg	atccactagt	ccagtgtggt	60
ggaattccat	tggtgtgggc	tataagctgt	aatagtggag	ncgtgctnng	ttcattgcan	120
nagnccctcc	gcanncaacn	ttgnnacaac	ctgtgagnag	gcnataaaatt	attcacataa	180
tcatactgac	atgaantctga	ctcaaacgca	tccacntaca	cc		222

&lt;210&gt; 599

&lt;211&gt; 238

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(238)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 599

gcgatgacatc	ancgatgtnt	ttggnnacct	ganattngct	aaaactngng	natgccgggn	60
atgnaggttt	ggtantgac	tatgcactca	catctcatgg	ggacgtttca	tgtggagtgn	120
tgcacaangt	tgctgnannc	gagaagtgat	gatctcagtt	gaaaggggtca	tgtgaataca	180
cnttacacct	gaaaaagaag	cacattggga	atatcacgaa	acgnccacca	acatcctg	238

<210> 600  
 <211> 232  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(232)  
 <223> n = A,T,C or G

<400> 600	
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tactcatcag	agctaaatga
cagaagaactg	caatttcaag
aatcgcaaat	agccccactg
	cttttacaaa
	tcattttttc
	cccaacacaa
	tg
	60
	120
	180
	232

<210> 601  
 <211> 547  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(547)  
 <223> n = A,T,C or G

<400> 601	
cattgtgttg	gggaaaaaat
tttttcttaa	atatcaccta
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 <223> n = A,T,C or G

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&lt;211&gt; 817

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

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&lt;222&gt; (1)...(817)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 603

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&lt;210&gt; 604

&lt;211&gt; 694

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(694)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 604

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<223> Primer

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<213> Artificial Sequence

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<213> Artificial Sequence

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<223> Primer

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<212> DNA

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<223> Primer

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<223> Primer

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<213> Artificial Sequence

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<223> Primer

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&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Primer

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&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Primer

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&lt;211&gt; 1350

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

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&lt;210&gt; 617



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<400> 617

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Cys Ser Gly Val Leu Val His Pro Gln Trp Val Leu Ser Ala Ala His
35          40          45
Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu Gly Leu His Ser Leu Glu
50          55          60
Ala Asp Gln Glu Pro Gly Ser Gln Met Val Glu Ala Ser Leu Ser Val
65          70          75          80
Arg His Pro Glu Tyr Asn Arg Pro Leu Leu Ala Asn Asp Leu Met Leu
85          90          95
Ile Lys Leu Asp Glu Ser Val Ser Glu Ser Asp Thr Ile Arg Ser Ile
100         105         110
Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly Asn Ser Cys Leu Val Ser
115         120         125
Gly Trp Gly Leu Leu Ala Asn Gly Arg Met Pro Thr Val Leu Gln Cys
130         135         140
Val Asn Val Ser Val Val Ser Glu Glu Val Cys Ser Lys Leu Tyr Asp
145         150         155         160
Pro Leu Tyr His Pro Ser Met Phe Cys Ala Gly Gly Gln Asp Gln
165         170         175
Lys Asp Ser Cys Asn Gly Asp Ser Gly Gly Pro Leu Ile Cys Asn Gly
180         185         190
Tyr Leu Gln Gly Leu Val Ser Phe Gly Lys Ala Pro Cys Gly Gln Val
195         200         205
Gly Val Pro Gly Val Tyr Thr Asn Leu Cys Lys Phe Thr Glu Trp Ile
210         215         220
Glu Lys Thr Val Gln Ala Ser Ile Val Gly Gly Trp Glu Cys Glu Lys
225         230         235         240
His Ser Gln Pro Trp Gln Val Leu Val Ala Ser Arg Gly Arg Ala Val
245         250         255
Cys Gly Gly Val Leu Val His Pro Gln Trp Val Leu Thr Ala Ala His
260         265         270
Cys Ile Arg Asn Lys Ser Val Ile Leu Leu Gly Arg His Ser Leu Phe
275         280         285
His Pro Glu Asp Thr Gly Gln Val Phe Gln Val Ser His Ser Phe Pro
290         295         300
His Pro Leu Tyr Asp Met Ser Leu Leu Lys Asn Arg Phe Leu Arg Pro
305         310         315         320
Gly Asp Asp Ser Ser His Asp Leu Met Leu Leu Arg Leu Ser Glu Pro
325         330         335
Ala Glu Leu Thr Asp Ala Val Lys Val Met Asp Leu Pro Thr Gln Glu
340         345         350
Pro Ala Leu Gly Thr Thr Cys Tyr Ala Ser Gly Trp Gly Ser Ile Glu
355         360         365
Pro Glu Glu Phe Leu Thr Pro Lys Lys Leu Gln Cys Val Asp Leu His
370         375         380
Val Ile Ser Asn Asp Val Cys Ala Gln Val His Pro Gln Lys Val Thr
385         390         395         400
Lys Phe Met Leu Cys Ala Gly Arg Trp Thr Gly Gly Lys Ser Trp Gly
405         410         415
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227

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 <211> 3674  
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&lt;211&gt; 2051

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

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&lt;223&gt; n = A,T,C or G

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&lt;211&gt; 3228

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

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&lt;222&gt; (1)...(3228)

&lt;223&gt; n = A, T, C or G

&lt;400&gt; 622

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&lt;211&gt; 4894

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 623

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&lt;400&gt; 624

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&lt;213&gt; Homo sapiens

&lt;400&gt; 625

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Tyr Leu Ala Ser Val Ala Ala Phe Pro Val Ala Ala Gly Ala Thr Cys
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Leu Ser His Ser Val Ala Val Val Thr Ala Ser Ala Ala Leu Thr Gly
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Phe Thr Phe Ser Ala Leu Gln Ile Leu Pro Tyr Thr Leu Ala Ser Leu
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Ala Ala Gly Ile Thr Tyr Val Pro Pro Leu Leu Leu Glu Val Gly Val  
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Glu Glu Lys Phe Met Thr Met Val Leu Gly Glu Ser Leu His Pro Pro  
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Leu Cys Pro Gly Ser Cys Leu Glu Gly Glu Val Val Cys Trp Glu Gly  
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Lys Lys Arg Ile Pro Arg Thr Tyr Pro Ser His Leu Trp Ile Pro Gly  
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&lt;210&gt; 632

&lt;211&gt; 684

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 632

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Met Met Asp Ala Ser Lys Glu Leu Gln Val Leu His Ile Asp Phe Leu
      5              10              15

Asn Gln Asp Asn Ala Val Ser His His Thr Trp Glu Phe Gln Thr Ser
      20              25              30

Ser Pro Val Phe Arg Arg Gly Gln Val Phe His Leu Arg Leu Val Leu
      35              40              45

Asn Gln Pro Leu Gln Ser Tyr His Gln Leu Lys Leu Glu Phe Ser Thr
      50              55              60

Gly Pro Asn Pro Ser Ile Ala Lys His Thr Leu Val Val Leu Asp Pro
      65              70              75              80

Arg Thr Pro Ser Asp His Tyr Asn Trp Gln Ala Thr Leu Gln Asn Glu
      85              90              95

Ser Gly Lys Glu Val Thr Val Ala Val Thr Ser Ser Pro Asn Ala Ile
      100              105              110

Leu Gly Lys Tyr Gln Leu Asn Val Lys Thr Gly Asn His Ile Leu Lys
      115              120              125

Ser Glu Glu Asn Ile Leu Tyr Leu Leu Phe Asn Pro Trp Cys Lys Glu
      130              135              140

Asp Met Val Phe Met Pro Asp Glu Asp Glu Arg Lys Glu Tyr Ile Leu
      145              150              155              160

Asn Asp Thr Gly Cys His Tyr Val Gly Ala Ala Arg Ser Ile Lys Cys
      165              170              175

Lys Pro Trp Asn Phe Gly Gln Phe Glu Lys Asn Val Leu Asp Cys Cys
      180              185              190

Ile Ser Leu Leu Thr Glu Ser Ser Leu Lys Pro Thr Asp Arg Arg Asp
      195              200              205

Pro Val Leu Val Cys Arg Ala Met Cys Ala Met Met Ser Phe Glu Lys
      210              215              220

Gly Gln Gly Val Leu Ile Gly Asn Trp Thr Gly Asp Tyr Glu Gly Gly

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225	230	235	240
Thr Ala Pro Tyr Lys Trp Thr Gly Ser Ala Pro Ile Leu Gln Gln Tyr	245	250	255
Tyr Asn Thr Lys Gln Ala Val Cys Phe Gly Gln Cys Trp Val Phe Ala	260	265	270
Gly Ile Leu Thr Thr Val Leu Arg Ala Leu Gly Ile Pro Ala Arg Ser	275	280	285
Val Thr Gly Phe Asp Ser Ala His Asp Thr Glu Arg Asn Leu Thr Val	290	295	300
Asp Thr Tyr Val Asn Glu Asn Gly Lys Lys Ile Thr Ser Met Thr His	305	310	315
Asp Ser Val Trp Asn Phe His Val Trp Thr Asp Ala Trp Met Lys Arg	325	330	335
Pro Asp Leu Pro Lys Gly Tyr Asp Gly Trp Gln Ala Val Asp Ala Thr	340	345	350
Pro Gln Glu Arg Ser Gln Gly Val Phe Cys Cys Gly Pro Ser Pro Leu	355	360	365
Thr Ala Ile Arg Lys Gly Asp Ile Phe Ile Val Tyr Asp Thr Arg Phe	370	375	380
Val Phe Ser Glu Val Asn Gly Asp Arg Leu Ile Trp Leu Val Lys Met	385	390	395
Val Asn Gly Gln Glu Glu Leu His Val Ile Ser Met Glu Thr Thr Ser	405	410	415
Ile Gly Lys Asn Ile Ser Thr Lys Ala Val Gly Gln Asp Arg Arg Arg	420	425	430
Asp Ile Thr Tyr Glu Tyr Lys Tyr Pro Glu Gly Ser Ser Glu Glu Arg	435	440	445
Gln Val Met Asp His Ala Phe Leu Leu Leu Ser Ser Glu Arg Glu His	450	455	460
Arg Arg Pro Val Lys Glu Asn Phe Leu His Met Ser Val Gln Ser Asp	465	470	475
Asp Val Leu Leu Gly Asn Ser Val Asn Phe Thr Val Ile Leu Lys Arg	485	490	495
Lys Thr Ala Ala Leu Gln Asn Val Asn Ile Leu Gly Ser Phe Glu Leu	500	505	510
Gln Leu Tyr Thr Gly Lys Lys Met Ala Lys Leu Cys Asp Leu Asn Lys	515	520	525
Thr Ser Gln Ile Gln Gly Gln Val Ser Glu Val Thr Leu Thr Leu Asp	530	535	540

Ser Lys Thr Tyr Ile Asn Ser Leu Ala Ile Leu Asp Asp Glu Pro Val  
 545 550 555 560  
 Ile Arg Gly Phe Ile Ile Ala Glu Ile Val Glu Ser Lys Glu Ile Met  
 565 570 575

Ala Ser Glu Val Phe Thr Ser Phe Gln Tyr Pro Glu Phe Ser Ile Glu  
 580 585 590

Leu Pro Asn Thr Gly Arg Ile Gly Gln Leu Leu Val Cys Asn Cys Ile  
 595 600 605

Phe Lys Asn Thr Leu Ala Ile Pro Leu Thr Asp Val Lys Phe Ser Leu  
 610 615 620

Glu Ser Leu Gly Ile Ser Ser Leu Gln Thr Ser Asp His Gly Thr Val  
 625 630 635 640

Gln Pro Gly Glu Thr Ile Gln Ser Gln Ile Lys Cys Thr Pro Ile Lys  
 645 650 655

Thr Gly Pro Lys Lys Phe Ile Val Lys Leu Ser Ser Lys Gln Val Lys  
 660 665 670

Glu Ile Asn Ala Gln Lys Ile Val Leu Ile Thr Lys  
 675 680

<210> 633

<211> 679

<212> PRT

<213> Homo sapiens

<400> 633

Met Met Asp Ala Ser Lys Glu Leu Gln Val Leu His Ile Asp Phe Leu  
 5 10 15

Asn Gln Asp Asn Ala Val Ser His His Thr Trp Glu Phe Gln Thr Ser  
 20 25 30

Ser Pro Val Phe Arg Arg Gly Gln Val Phe His Leu Arg Leu Val Leu  
 35 40 45

Asn Gln Pro Leu Gln Ser Tyr His Gln Leu Lys Leu Glu Phe Ser Thr  
 50 55 60

Gly Pro Asn Pro Ser Ile Ala Lys His Thr Leu Val Val Leu Asp Pro  
 65 70 75 80

Arg Thr Pro Ser Asp His Tyr Asn Trp Gln Ala Thr Leu Gln Asn Glu  
 85 90 95

Ser Gly Lys Glu Val Thr Val Ala Val Thr Ser Ser Pro Asn Ala Ile  
 100 105 110

Leu Gly Lys Tyr Gln Leu Asn Val Lys Thr Gly Asn His Ile Leu Lys  
 115 120 125

Ser Glu Glu Asn Ile Leu Tyr Leu Leu Phe Asn Pro Trp Cys Lys Glu  
 130 135 140  
 Asp Met Val Phe Met Pro Asp Glu Asp Glu Arg Lys Glu Tyr Ile Leu  
 145 150 155 160  
 Asn Asp Thr Gly Cys His Tyr Val Gly Ala Ala Arg Ser Ile Lys Cys  
 165 170 175  
 Lys Pro Trp Asn Phe Gly Gln Phe Glu Lys Asn Val Leu Asp Cys Cys  
 180 185 190  
 Ile Ser Leu Leu Thr Glu Ser Ser Leu Lys Pro Thr Asp Arg Arg Asp  
 195 200 205  
 Pro Val Leu Val Val Cys Arg Ala Met Cys Ala Met Met Ser Phe Glu Lys  
 210 215 220  
 Gly Gln Gly Val Leu Ile Gly Asn Trp Thr Gly Asp Tyr Glu Gly Gly  
 225 230 235 240  
 Thr Ala Pro Tyr Lys Trp Thr Gly Ser Ala Pro Ile Leu Gln Gln Tyr  
 245 250 255  
 Tyr Asn Thr Lys Gln Ala Val Cys Phe Gly Gln Cys Trp Val Phe Ala  
 260 265 270  
 Gly Ile Leu Thr Thr Val Leu Arg Ala Leu Gly Ile Pro Ala Arg Ser  
 275 280 285  
 Val Thr Gly Phe Asp Ser Ala His Asp Thr Glu Arg Asn Leu Thr Val  
 290 295 300  
 Asp Thr Tyr Val Asn Glu Asn Gly Glu Lys Ile Thr Ser Met Thr His  
 305 310 315 320  
 Asp Ser Val Trp Asn Phe His Val Trp Thr Asp Ala Trp Met Lys Arg  
 325 330 335  
 Pro Tyr Asp Gly Trp Gln Ala Val Asp Ala Thr Pro Gln Glu Arg Ser  
 340 345 350  
 Gln Gly Val Phe Cys Cys Gly Pro Ser Pro Leu Thr Ala Ile Arg Lys  
 355 360 365  
 Gly Asp Ile Phe Ile Val Tyr Asp Thr Arg Phe Val Phe Ser Glu Val  
 370 375 380  
 Asn Gly Asp Arg Leu Ile Trp Leu Val Lys Met Val Asn Gly Gln Glu  
 385 390 395 400  
 Glu Leu His Val Ile Ser Met Glu Thr Thr Ser Ile Gly Lys Asn Ile  
 405 410 415  
 Ser Thr Lys Ala Val Gly Gln Asp Arg Arg Arg Asp Ile Thr Tyr Glu  
 420 425 430  
 Tyr Lys Tyr Pro Glu Gly Ser Ser Glu Glu Arg Gln Val Met Asp His

435	440	445
Ala Phe Leu Leu Leu Ser Ser Glu Arg Glu His Arg Gln Pro Val Lys 450 455 460		
Glu Asn Phe Leu His Met Ser Val Gln Ser Asp Asp Val Leu Leu Gly 465 470 475 480		
Asn Ser Val Asn Phe Thr Val Ile Leu Lys Arg Lys Thr Ala Ala Leu 485 490 495		
Gln Asn Val Asn Ile Leu Gly Ser Phe Glu Leu Gln Leu Tyr Thr Gly 500 505 510		
Lys Lys Met Ala Lys Leu Cys Asp Leu Asn Lys Thr Ser Gln Ile Gln 515 520 525		
Gly Gln Val Ser Glu Val Thr Leu Thr Leu Asp Ser Lys Thr Tyr Ile 530 535 540		
Asn Ser Leu Ala Ile Leu Asp Asp Glu Pro Val Ile Arg Gly Phe Ile 545 550 555 560		
Ile Ala Glu Ile Val Glu Ser Lys Glu Ile Met Ala Ser Glu Val Phe 565 570 575		
Thr Ser Asn Gln Tyr Pro Glu Phe Ser Ile Glu Leu Pro Asn Thr Gly 580 585 590		
Arg Ile Gly Gln Leu Leu Val Cys Asn Cys Ile Phe Lys Asn Thr Leu 595 600 605		
Ala Ile Pro Leu Thr Asp Val Lys Phe Ser Leu Glu Ser Leu Gly Ile 610 615 620		
Ser Ser Leu Gln Thr Ser Asp His Gly Thr Val Gln Pro Gly Glu Thr 625 630 635 640		
Ile Gln Ser Gln Ile Lys Cys Thr Pro Ile Lys Thr Gly Pro Lys Lys 645 650 655		
Phe Ile Val Lys Leu Ser Ser Lys Gln Val Lys Glu Ile Asn Ala Gln 660 665 670		
Lys Ile Val Leu Ile Thr Lys 675		

&lt;210&gt; 634

&lt;211&gt; 5668

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 634

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&lt;210&gt; 635

&lt;211&gt; 1095

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 635

```

Met Arg Asn Arg Arg Asn Asp Thr Leu Asp Ser Thr Arg Thr Leu Tyr
      5              10              15

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Ser Ser Ala Ser Arg Ser Thr Asp Leu Ser Tyr Ser Glu Ser Asp Leu
      20              25              30

```

```

Val Asn Phe Ile Gln Ala Asn Phe Lys Lys Arg Glu Cys Val Phe Phe
      35              40              45

```

```

Thr Lys Asp Ser Lys Ala Thr Glu Asn Val Cys Lys Cys Gly Tyr Ala
      50              55              60

```

```

Gln Ser Gln His Met Glu Gly Thr Gln Ile Asn Gln Ser Glu Lys Trp
      65              70              75              80

```

```

Asn Tyr Lys Lys His Thr Lys Glu Phe Pro Thr Asp Ala Phe Gly Asp
      85              90              95

```



Ile Gln Phe Glu Thr Leu Gly Lys Lys Gly Lys Tyr Ile Arg Leu Ser  
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 Cys Asp Thr Asp Ala Glu Ile Leu Tyr Glu Leu Leu Thr Gln His Trp  
 115 120 125  
 His Leu Lys Thr Pro Asn Leu Val Ile Ser Val Thr Gly Gly Ala Lys  
 130 135 140  
 Asn Phe Ala Leu Lys Pro Arg Met Arg Lys Ile Phe Ser Arg Leu Ile  
 145 150 155 160  
 Tyr Ile Ala Gln Ser Lys Gly Ala Trp Ile Leu Thr Gly Gly Thr His  
 165 170 175  
 Tyr Gly Leu Thr Lys Tyr Ile Gly Glu Val Val Arg Asp Asn Thr Ile  
 180 185 190  
 Ser Arg Ser Ser Glu Glu Asn Ile Val Ala Ile Gly Ile Ala Ala Trp  
 195 200 205  
 Gly Met Val Ser Asn Arg Asp Thr Leu Ile Arg Asn Cys Asp Ala Glu  
 210 215 220  
 Gly Tyr Phe Leu Ala Gln Tyr Leu Met Asp Asp Phe Thr Arg Asp Pro  
 225 230 235 240  
 Leu Tyr Ile Leu Asp Asn Asn His Thr His Leu Leu Leu Val Asp Asn  
 245 250 255  
 Gly Cys His Gly His Pro Thr Val Glu Ala Lys Leu Arg Asn Gln Leu  
 260 265 270  
 Glu Lys His Ile Ser Glu Arg Thr Ile Gln Asp Ser Asn Tyr Gly Gly  
 275 280 285  
 Lys Ile Pro Ile Val Cys Phe Ala Gln Gly Gly Gly Lys Gly Thr Leu  
 290 295 300  
 Lys Ala Ile Asn Thr Ser Ile Lys Asn Lys Ile Pro Cys Val Val Val  
 305 310 315 320  
 Glu Gly Ser Gly Arg Ile Ala Asp Val Ile Ala Ser Leu Val Glu Val  
 325 330 335  
 Glu Asp Ala Pro Thr Ser Ser Ala Val Lys Glu Lys Leu Val Arg Phe  
 340 345 350  
 Leu Pro Arg Thr Val Ser Arg Leu Ser Glu Glu Glu Thr Glu Ser Trp  
 355 360 365  
 Ile Lys Trp Leu Lys Glu Ile Leu Glu Cys Ser His Leu Leu Thr Val  
 370 375 380  
 Ile Lys Met Glu Glu Ala Gly Asp Glu Ile Val Ser Asn Ala Ile Ser  
 385 390 395 400

Tyr Ala Leu Tyr Lys Ala Phe Ser Thr Ser Glu Gln Asp Lys Asp Asn  
 405 410 415  
 Trp Asn Gly Gln Leu Lys Leu Leu Leu Glu Trp Asn Gln Leu Asp Leu  
 420 425 430  
 Ala Asn Asp Glu Ile Phe Thr Asn Asp Arg Arg Trp Glu Ser Ala Asp  
 435 440 445  
 Leu Gln Glu Val Met Phe Thr Ala Leu Ile Lys<sup>1</sup> Asp Arg Pro Lys Phe  
 450 455 460  
 Val Arg Leu Phe Leu Glu Asn Gly Leu Asn Leu Arg Lys Phe Leu Thr  
 465 470 475 480  
 His Asp Val Leu Thr Glu Leu Phe Ser Asn His Phe Ser Thr Leu Val  
 485 490 495  
 Tyr Arg Asn Leu Gln Ile Ala Lys Asn Ser Tyr Asn Asp Ala Leu Leu  
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 Thr Phe Val Trp Lys Leu Val Ala Asn Phe Arg Arg Gly Phe Arg Lys  
 515 520 525  
 Glu Asp Arg Asn Gly Arg Asp Glu Met Asp Ile Glu Leu His Asp Val  
 530 535 540  
 Ser Pro Ile Thr Arg His Pro Leu Gln Ala Leu Phe Ile Trp Ala Ile  
 545 550 555 560  
 Leu Gln Asn Lys Lys Glu Leu Ser Lys Val Ile Trp Glu Gln Thr Arg  
 565 570 575  
 Gly Cys Thr Leu Ala Ala Leu Gly Ala Ser Lys<sup>1</sup> Leu Leu Lys Thr Leu  
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 Ala Lys Val Lys Asn Asp Ile Asn Ala Ala Gly Glu Ser Glu Glu Leu  
 595 600 605  
 Ala Asn Glu Tyr Glu Thr Arg Ala Val Glu Leu Phe Thr Glu Cys Tyr  
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 Ser Ser Asp Glu Asp Leu Ala Glu Gln Leu Leu Val Tyr Ser Cys Glu  
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 Ala Trp Gly Gly Ser Asn Cys Leu Glu Leu Ala Val Glu Ala Thr Asp  
 645 650 655  
 Gln His Phe Thr Ala Gln Pro Gly Val Gln Asn Phe Leu Ser Lys Gln  
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 675 680 685  
 Cys Leu Phe Ile Ile Pro Leu Val Gly Cys Gly Phe Val Ser Phe Arg  
 690 695 700  
 Lys Lys Pro Val Asp Lys His Lys Lys Leu Leu Trp Tyr Tyr Val Ala

705		710		715		720
Phe Phe Thr Ser	Pro Phe Val Val	Phe Ser Trp Asn Val	Val Phe Tyr			
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Ile Ala Phe Leu	Leu Leu Phe Ala Tyr	Val Leu Leu Met	Asp Phe His			
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Ser Val Pro His	Pro Pro Glu Leu	Val Leu Tyr Ser	Leu Val Phe Val			
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Leu Phe Cys Asp	Glu Val Arg Gln	Trp Tyr Val Asn	Gly Val Asn Tyr			
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Phe Thr Asp Leu	Trp Asn Val Met	Asp Thr Leu Gly	Leu Phe Tyr Phe			
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Ile Ala Gly Ile	Val Phe Arg Leu	His Ser Ser Asn	Lys Ser Ser Leu			
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Tyr Ser Gly Arg	Val Ile Phe Cys	Leu Asp Tyr Ile	Ile Phe Thr Leu			
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Arg Leu Ile His	Ile Phe Thr Val	Ser Arg Asn Leu	Gly Pro Lys Ile			
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Ile Met Leu Gln	Arg Met Leu Ile	Asp Val Phe Phe	Phe Leu Phe Leu			
	850		855			860
Phe Ala Val Trp	Met Val Ala Phe	Gly Val Ala Arg	Gln Gly Ile Leu			
	865		870			875
Arg Gln Asn Glu	Gln Arg Trp Arg	Trp Ile Phe Arg	Ser Val Ile Tyr			
	885		890			895
Glu Pro Tyr Leu	Ala Met Phe Gly	Gln Val Pro Ser	Asp Val Asp Gly			
	900		905			910
Thr Thr Tyr Asp	Phe Ala His Cys	Thr Phe Thr Gly	Asn Glu Ser Lys			
	915		920			925
Pro Leu Cys Val	Glu Leu Asp Glu	His Asn Leu Pro	Arg Phe Pro Glu			
	930		935			940
Trp Ile Thr Ile	Pro Leu Val Cys	Ile Tyr Met Leu	Ser Thr Asn Ile			
	945		950			955
Leu Leu Val Asn	Leu Leu Val Ala	Met Phe Gly Tyr	Thr Val Gly Thr			
	965		970			975
Val Gln Glu Asn	Asn Asp Gln Val	Trp Lys Phe Gln	Arg Tyr Phe Leu			
	980		985			990
Val Gln Glu Tyr	Cys Ser Arg Leu	Asn Ile Pro Phe	Pro Phe Ile Val			
	995		1000			1005
Phe Ala Tyr Phe	Tyr Met Val Val	Lys Lys Cys Phe	Lys Cys Cys Cys			
	1010		1015			1020

Lys Glu Lys Asn Met Glu Ser Ser Val Cys Cys Phe Lys Asn Glu Asp  
 1025 1030 1035 1040

Asn Glu Thr Leu Ala Trp Glu Gly Val Met Lys Glu Asn Tyr Leu Val  
 1045 1050 1055

Lys Ile Asn Thr Lys Ala Asn Asp Thr Ser Glu Glu Met Arg His Arg  
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Phe Arg Gln Leu Asp Thr Lys Leu Asn Asp Leu Lys Gly Leu Leu Lys  
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Glu Ile Ala Asn Lys Ile Lys  
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 <211> 3639  
 <212> DNA  
 <213> Homo sapiens

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 agcatgagga acagaagaa tgacactctg gacagcacc ccgacctgta ctccagcgcg 180  
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 aagtgtgct atgcccagag ccagcacatg gaaggcacc agatcaacca aagtgaagaa 360  
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 gagacactgg ggaagaaagg gaagtataa cgtctgtcct ccgacacgga cgcggaaatc 480  
 ctttacgagc gtctgaccca gcactggcac ctgaaaaaac ccaacctggt catttctgtg 540  
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```

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&lt;210&gt; 637

&lt;211&gt; 1095

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (1)...(1095)

&lt;223&gt; Xaa = Any Amino Acid

&lt;400&gt; 637

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Met Arg Asn Arg Arg Asn Asp Thr Leu Asp Ser Thr Arg Thr Leu Tyr
      5                      10                      15

```

```

Ser Ser Ala Ser Arg Ser Thr Asp Leu Ser Tyr Ser Glu Ser Asp Leu
      20                      25                      30

```

```

Val Asn Phe Ile Gln Ala Asn Phe Lys Lys Arg Glu Cys Val Phe Phe
      35                      40                      45

```

```

Thr Lys Asp Ser Lys Ala Thr Glu Asn Val Cys Lys Cys Glu Thr Ala
      50                      55                      60

```

```

Gln Ser Gln His Met Glu Gly Thr Gln Ile Asn Gln Ser Glu Lys Trp
      65                      70                      75                      80

```

```

Asn Tyr Lys Lys His Thr Lys Glu Phe Pro Thr Asp Ala Phe Gly Asp
      85                      90                      95

```

```

Ile Gln Phe Glu Thr Leu Gly Lys Lys Gly Lys Tyr Ile Arg Leu Ser

```

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His Leu Lys Thr Pro Asn Leu Val Ile Ser Val Thr Gly Gly Ala Lys		
130	135	140
Asn Phe Ala Leu Lys Pro Arg Met Arg Lys Ile Phe Ser Arg Leu Ile		
145	150	155
Tyr Ile Ala Gln Ser Lys Gly Ala Trp Ile Leu Thr Gly Gly Thr His		
165	170	175
Tyr Gly Leu Met Lys Tyr Ile Gly Glu Val Val Arg Asp Asn Thr Ile		
180	185	190
Ser Arg Ser Ser Glu Glu Asn Ile Val Ala Ile Gly Ile Ala Ala Trp		
195	200	205
Gly Met Val Ser Asn Arg Asp Thr Leu Ile Arg Asn Cys Asp Ala Glu		
210	215	220
Gly Tyr Phe Leu Ala Gln Tyr Leu Met Asp Asp Phe Thr Arg Asp Pro		
225	230	235
Leu Tyr Ile Leu Asp Asn Asn His Thr His Leu Leu Leu Val Asp Asn		
245	250	255
Gly Cys His Gly His Pro Thr Val Glu Ala Lys Leu Arg Asn Gln Leu		
260	265	270
Glu Lys Tyr Ile Ser Glu Arg Thr Ile Gln Asp Ser Asn Tyr Gly Gly		
275	280	285
Lys Ile Pro Ile Val Cys Phe Ala Gln Gly Gly Lys Glu Thr Leu		
290	295	300
Lys Ala Ile Asn Thr Ser Ile Lys Asn Lys Ile Pro Cys Val Val Val		
305	310	315
Glu Gly Ser Gly Gln Ile Ala Asp Val Ile Ala Ser Leu Val Glu Val		
325	330	335
Glu Asp Ala Leu Thr Ser Ser Ala Val Lys Glu Lys Leu Val Arg Phe		
340	345	350
Leu Pro Arg Thr Val Ser Arg Leu Pro Glu Glu Glu Thr Glu Ser Trp		
355	360	365
Ile Lys Trp Leu Lys Glu Ile Leu Glu Cys Ser His Leu Leu Thr Val		
370	375	380
Ile Lys Met Glu Glu Ala Gly Asp Glu Ile Val Ser Asn Ala Ile Ser		
385	390	395
Tyr Ala Leu Tyr Lys Ala Phe Ser Thr Ser Glu Gln Asp Lys Asp Asn		
405	410	415

Trp Asn Gly Gln Leu Lys Leu Leu Leu Glu Trp Asn Gln Leu Asp Leu  
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 Ala Asn Asp Glu Ile Phe Thr Asn Asn Arg Arg Trp Glu Ser Ala Asp  
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 450 455 460  
 Val Arg Leu Phe Leu Glu Asn Gly Leu Asn Leu Arg Lys Phe Leu Thr  
 465 470 475 480  
 His Asp Val Leu Thr Glu Leu Phe Ser Asn His Phe Ser Thr Leu Val  
 485 490 495  
 Tyr Arg Asn Leu Gln Ile Ala Lys Asn Ser Tyr Asn Asp Ala Leu Leu  
 500 505 510  
 Thr Phe Val Trp Lys Leu Val Ala Asn Phe Arg Arg Gly Phe Arg Lys  
 515 520 525  
 Glu Asp Arg Asn Gly Arg Asp Glu Met Asp Ile Glu Leu His Asp Val  
 530 535 540  
 Ser Pro Ile Thr Arg His Pro Leu Gln Ala Leu Phe Ile Trp Ala Ile  
 545 550 555 560  
 Leu Gln Asn Lys Lys Glu Leu Ser Lys Val Ile Trp Glu Gln Thr Arg  
 565 570 575  
 Gly Cys Thr Leu Ala Ala Leu Gly Ala Ser Lys Leu Leu Lys Thr Leu  
 580 585 590  
 Ala Lys Val Lys Asn Asp Ile Asn Ala Ala Gly Glu Ser Glu Glu Leu  
 595 600 605  
 Ala Asn Glu Tyr Glu Thr Arg Ala Val Glu Leu Phe Thr Glu Cys Tyr  
 610 615 620  
 Ser Ser Asp Glu Asp Leu Ala Glu Gln Leu Leu Val Tyr Ser Cys Glu  
 625 630 635 640  
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 645 650 655  
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 675 680 685  
 Cys Leu Phe Ile Ile Pro Leu Val Gly Cys Gly Phe Val Ser Phe Arg  
 690 695 700  
 Lys Lys Pro Val Asp Lys His Lys Lys Leu Leu Trp Tyr Tyr Val Ala  
 705 710 715 720

Phe Phe Thr Ser Pro Phe Val Val Phe Ser Trp Asn Val Val Phe Tyr  
 725 730 735  
 Ile Ala Phe Leu Leu Leu Phe Ala Tyr Val Leu Leu Met Asp Phe His  
 740 745 750  
 Ser Val Pro His Pro Pro Glu Leu Val Leu Tyr Ser Leu Val Phe Val  
 755 760 765  
 Leu Phe Cys Asp Glu Val Arg Gln Trp Tyr Val Asn Gly Val Asn Tyr  
 770 775 780  
 Phe Thr Asp Leu Trp Asn Val Met Asp Thr Leu Gly Leu Phe Tyr Phe  
 785 790 795 800  
 Ile Ala Gly Ile Val Phe Arg Leu His Ser Ser Asn Lys Ser Ser Leu  
 805 810 815  
 Tyr Ser Gly Arg Val Ile Phe Cys Leu Asp Tyr Ile Ile Phe Thr Leu  
 820 825 830  
 Arg Leu Ile His Ile Phe Thr Val Ser Arg Asn Leu Gly Pro Lys Ile  
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 Glu Pro Tyr Leu Ala Met Phe Gly Gln Val Pro Ser Asp Val Asp Gly  
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 Thr Thr Tyr Asp Phe Ala His Cys Thr Phe Thr Gly Asn Glu Ser Lys  
 915 920 925  
 Pro Leu Cys Val Glu Leu Asp Glu His Asn Leu Pro Arg Phe Pro Glu  
 930 935 940  
 Trp Ile Thr Ile Pro Leu Val Cys Ile Tyr Met Leu Ser Thr Asn Ile  
 945 950 955 960  
 Leu Leu Val Asn Leu Leu Val Ala Met Phe Gly Tyr Thr Val Gly Thr  
 965 970 975  
 Val Gln Glu Asn Asn Asp Gln Val Trp Lys Phe Gln Arg Tyr Phe Leu  
 980 985 990  
 Val Gln Glu Tyr Cys Ser Arg Leu Asn Ile Pro Phe Pro Phe Ile Val  
 995 1000 1005  
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[illegible]

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<212> PRT
<213> Homo sapiens
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
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 <213> Homo sapiens  
  
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&lt;400&gt; 657

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&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 658

Gly	Leu	His	Ser	Leu	Glu	Ala	Asp	Gln	Glu	Pro	Gly	Ser	Gln	Met
				5					10					15

&lt;210&gt; 659

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 659

Tyr	Thr	Ile	Gly	Leu	Gly	Leu	His	Ser	Leu	Glu	Ala	Asp	Gln	Glu
				5					10					15

&lt;210&gt; 660

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 660

Phe	Gln	Asn	Ser	Tyr	Thr	Ile	Gly	Leu	Gly	Leu	His	Ser	Leu
				5					10				

&lt;210&gt; 661

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 661

Leu	Ser	Ala	Ala	His	Cys	Phe	Gln	Asn	Ser	Tyr	Thr	Ile	Gly	Leu
				5						10				15

&lt;210&gt; 662

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 662

His	Pro	Gln	Trp	Val	Leu	Ser	Ala	Ala	His	Cys	Phe	Gln	Asn	Ser
				5						10				15

<210> 663  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 663  
 Ser Gly Val Leu Val His Pro Gln Trp Val Leu Ser Ala Ala His  
                                   5                                  10                                  15

<210> 664  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 664  
 Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp Val  
                                   5                                  10                                  15

<210> 665  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 665  
 Ala Leu Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val  
                                   5                                  10                                  15

<210> 666  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<400> 666  
 Ser Gln Pro Trp Gln Ala Ala Leu Val Met Glu Asn Glu Leu Phe Cys  
                                   5                                  10                                  15

Ser

<210> 667  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

<400> 667  
 Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly Asn Ser Cys Leu  
                                   5                                  10                                  15

<210> 668  
 <211> 15  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 668

Ser Val Ser Glu Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser  
5 10 15

&lt;210&gt; 669

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 669

Ile Lys Leu Asp Glu Ser Val Ser Glu Ser Asp Thr Ile Arg Ser  
5 10 15

&lt;210&gt; 670

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 670

Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser  
5 10 15

&lt;210&gt; 671

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 671

Arg Pro Leu Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu  
5 10 15

&lt;210&gt; 672

&lt;211&gt; 35

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; PCR primer

&lt;400&gt; 672

ggaccagcat atgaggaaca gaaggaatga cactc

35

&lt;210&gt; 673

&lt;211&gt; 29

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; PCR primer

&lt;400&gt; 673

ccgctcgagt ccacccaag cttcacagg

29

<210> 674  
 <211> 1959  
 <212> DNA  
 <213> Homo sapiens

<400> 674  
 atgagggaaca gaaggaatga cactctggac agcaccoggga cccctgtactc cagcgccgtct 60  
 cggagcacag acttgtcttta cagtgaaggc gacttggtga attttattca agcaaatttt 120  
 aagaacacgag aatgtgtcttt ctttaaccaaa gattccaagg ccacggagaa tbtgtgcaag 180  
 tgtggctatg cccagagcca gcacatggaa ggcaccacaga tcaaccaag tgagaaatgg 240  
 aactacaaga aacacaccaa ggaatttctt accgacgcct ttggggatat tcaagtttgag 300  
 acactggggga agaaaaggaa gtatatacgt ctgtcctgog acacggcagc ggaaatcctt 360  
 tacgagctgc tgaccacgca ctggcacctg aaaaacaccca acctgggtcat ttctgtgacc 420  
 gggggcgcca agaactctgc cctgaagcog cgcattgcga agatcttcag ccggctcatc 480  
 tacatcgcgc agtccaaagg tgcttggatt ctacggggag gcacccatta tggcctgatg 540  
 aagtacatcg gggaggtggg gagagataac accatcagca ggagttcaga ggagaaattt 600  
 ttggccattg gcatagcagc ttggggcatg gtctcacaac gggacaccct catcaggaat 660  
 tgcgatgctg agggctattt tttagccacg taccttatgg atgacttcac aagagatcca 720  
 ctgtataacc ttgacaacaa ccacacacat ttgctgctcg tggacaatgg ctgtcatgga 780  
 catcccactg tcaagacaaa gctccggaat cagctagaga agtatatctc tgagcgcaat 840  
 attcaagatt ccaactatgg ttggcaagatc ccatttgtgt gttttgcccc aggaggtgga 900  
 aaagagactt tgaagcccat caatacctcc atcaaaaata aaattccttg tbtgtgtgtg 960  
 gaaggctcgg gccagatcgc tgatgtgatc gctagccttg tggaggtgga ggatgcccctg 1020  
 acatcttctg cgcgaagga gaagctgggt cgtcttttac cccgcacggt tcccgccgtg 1080  
 cctgaggagg agactgagag ttggatcaaa ttggtcgaag aaattctcga atgtttctac 1140  
 ctattaaacg ttattaaaaa ggaagaagct ggggatgaaa ttgtgagcaa tgcacatccc 1200  
 tacgtctcat acaaaagcct cagcacagat gagcaagaca aggataactg gaatgggag 1260  
 ctgaagcttc tgcctggagt gaaaccaagc gacttagcca atgatgagat tttaacaaat 1320  
 gaccgcgatg gggagtctgc tgacctcaa gaagtcatgt ttacggtctc cataaaggag 1380  
 agacccaagt ttgtccgctt cttctggag aatggcttga acctaogga gtttctcacc 1440  
 catgatgtcc toactgaact cttctcaca cacttcagca cgcttgtgta ccggaatctg 1500  
 cagatcgcca agaattccta taatgatgcc ctctcagct ttgtctggaa actggttgag 1560  
 aacttcgcaa gaggcttcog gaaggaagac agaaatggcc gggacagagat ggacataaga 1620  
 ctccacgaag tgtctcctat tactcggcac cccctgcaag ctctctcat ctgggacatt 1680  
 cttcagaata agaaggaact ctccaaagtc atttggggag agaccagggg ctgacactctg 1740  
 gcagccctgg gagccagcaa gctctgaag actctggcca aagtgaagaa cgacatacat 1800  
 gctgtgggg agtccgagga gctggctaag gactacgaga cccggctgtc tgagctgttc 1860  
 actgagtgtt acagcagcga tgaagactg gcagaacagc tgctggtcta ttctgtgaa 1920  
 gcttgggggtg gactcgagca ccaccaccac caccactga 1959

<210> 675  
 <211> 652  
 <212> PRT  
 <213> Homo sapiens

<400> 675  
 Met Arg Asn Arg Arg Asn Asp Thr Leu Asp Ser Thr Arg Thr Leu Tyr  
 5 10 15

Ser Ser Ala Ser Arg Ser Thr Asp Leu Ser Tyr Ser Glu Ser Asp Leu  
 20 25 30

Val Asn Phe Ile Gln Ala Asn Phe Lys Lys Arg Glu Cys Val Phe Phe  
 35 40 45

Thr Lys Asp Ser Lys Ala Thr Glu Asn Val Cys Lys Cys Gly Tyr Ala  
 50 55 60

Gln Ser Gln His Met Glu Gly Thr Gln Ile Asn Gln Ser Glu Lys Trp  
 65 70 75 80  
 Asn Tyr Lys Lys His Thr Lys Glu Phe Pro Thr Asp Ala Phe Gly Asp  
 85 90 95  
 Ile Gln Phe Glu Thr Leu Gly Lys Lys Gly Lys Tyr Ile Arg Leu Ser  
 100 105 110  
 Cys Asp Thr Asp Ala Glu Ile Leu Tyr Glu Leu Leu Thr Gln His Trp  
 115 120 125  
 His Leu Lys Thr Pro Asn Leu Val Ile Ser Val Thr Gly Gly Ala Lys  
 130 135 140  
 Asn Phe Ala Leu Lys Pro Arg Met Arg Lys Ile Phe Ser Arg Leu Ile  
 145 150 155 160  
 Tyr Ile Ala Gln Ser Lys Gly Ala Trp Ile Leu Thr Gly Gly Thr His  
 165 170 175  
 Tyr Gly Leu Met Lys Tyr Ile Gly Glu Val Val Arg Asp Asn Thr Ile  
 180 185 190  
 Ser Arg Ser Ser Glu Glu Asn Ile Val Ala Ile Gly Ile Ala Ala Trp  
 195 200 205  
 Gly Met Val Ser Asn Arg Asp Thr Leu Ile Arg Asn Cys Asp Ala Glu  
 210 215 220  
 Gly Tyr Phe Leu Ala Gln Tyr Leu Met Asp Asp Phe Thr Arg Asp Pro  
 225 230 235 240  
 Leu Tyr Ile Leu Asp Asn Asn His Thr His Leu Leu Leu Val Asp Asn  
 245 250 255  
 Gly Cys His Gly His Pro Thr Val Glu Ala Lys Leu Arg Asn Gln Leu  
 260 265 270  
 Glu Lys Tyr Ile Ser Glu Arg Thr Ile Gln Asp Ser Asn Tyr Gly Gly  
 275 280 285  
 Lys Ile Pro Ile Val Cys Phe Ala Gln Gly Gly Gly Lys Glu Thr Leu  
 290 295 300  
 Lys Ala Ile Asn Thr Ser Ile Lys Asn Lys Ile Pro Cys Val Val Val  
 305 310 315 320  
 Glu Gly Ser Gly Gln Ile Ala Asp Val Ile Ala Ser Leu Val Glu Val  
 325 330 335  
 Glu Asp Ala Leu Thr Ser Ser Ala Val Lys Glu Lys Leu Val Arg Phe  
 340 345 350  
 Leu Pro Arg Thr Val Ser Arg Leu Pro Glu Glu Glu Thr Glu Ser Trp  
 355 360 365  
 Ile Lys Trp Leu Lys Glu Ile Leu Glu Cys Ser His Leu Leu Thr Val



370	375	380
Ile Lys Met Glu Glu Ala Gly Asp Glu Ile Val Ser Asn Ala Ile Ser 385 390 395 400		
Tyr Ala Leu Tyr Lys Ala Phe Ser Thr Ser Glu Gln Asp Lys Asp Asn 405 410 415		
Trp Asn Gly Gln Leu Lys Leu Leu Glu Trp Asn Gln Leu Asp Leu 420 425 430		
Ala Asn Asp Glu Ile Phe Thr Asn Asp Arg Arg Trp Glu Ser Ala Asp 435 440 445		
Leu Gln Glu Val Met Phe Thr Ala Leu Ile Lys Asp Arg Pro Lys Phe 450 455 460		
Val Arg Leu Phe Leu Glu Asn Gly Leu Asn Leu Arg Lys Phe Leu Thr 465 470 475 480		
His Asp Val Leu Thr Glu Leu Phe Ser Asn His Phe Ser Thr Leu Val 485 490 495		
Tyr Arg Asn Leu Gln Ile Ala Lys Asn Ser Tyr Asn Asp Ala Leu Leu 500 505 510		
Thr Phe Val Trp Lys Leu Val Ala Asn Phe Arg Arg Gly Phe Arg Lys 515 520 525		
Glu Asp Arg Asn Gly Arg Asp Glu Met Asp Ile Glu Leu His Asp Val 530 535 540		
Ser Pro Ile Thr Arg His Pro Leu Gln Ala Leu Phe Ile Trp Ala Ile 545 550 555 560		
Leu Gln Asn Lys Lys Glu Leu Ser Lys Val Ile Trp Glu Gln Thr Arg 565 570 575		
Gly Cys Thr Leu Ala Ala Leu Gly Ala Ser Lys Leu Leu Lys Thr Leu 580 585 590		
Ala Lys Val Lys Asn Asp Ile Asn Ala Ala Gly Glu Ser Glu Glu Leu 595 600 605		
Ala Asn Glu Tyr Glu Thr Arg Ala Val Glu Leu Phe Thr Glu Cys Tyr 610 615 620		
Ser Ser Asp Glu Asp Leu Ala Glu Gln Leu Leu Val Tyr Ser Cys Glu 625 630 635 640		
Ala Trp Gly Gly Leu Glu His His His His His 645 650		

&lt;210&gt; 676

&lt;211&gt; 132

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 676

```

Thr Ala Ala Ser Asp Asn Phe Gln Leu Ser Gln Gly Gly Gln Gly Phe
1      5      10      15
Ala Ile Pro Ile Gly Gln Ala Met Ala Ile Ala Gly Gln Ile Arg Ser
20     25     30
Gly Gly Gly Ser Pro Thr Val His Ile Gly Pro Thr Ala Phe Leu Gly
35     40     45
Leu Gly Val Val Asp Asn Asn Gly Asn Gly Ala Arg Val Gln Arg Val
50     55     60
Val Gly Ser Ala Pro Ala Ala Ser Leu Gly Ile Ser Thr Gly Asp Val
65     70     75     80
Ile Thr Ala Val Asp Gly Ala Pro Ile Asn Ser Ala Thr Ala Met Ala
85     90     95
Asp Ala Leu Asn Gly His His Pro Gly Asp Val Ile Ser Val Asn Trp
100    105    110
Gln Thr Lys Ser Gly Gly Thr Arg Thr Gly Asn Val Thr Leu Ala Glu
115    120    125
Gly Pro Pro Ala
130

```

&lt;210&gt; 677

&lt;211&gt; 36

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; PCR primer

&lt;400&gt; 677

ggggaattca tgatccggga gaaatttgcc cactgc

36

&lt;210&gt; 678

&lt;211&gt; 33

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; PCR primer

&lt;400&gt; 678

gggctcgagt caggagtttg agaccagcct ggc

33

&lt;210&gt; 679

&lt;211&gt; 675

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 679

```

atgcataccc atcaccatca cacggccgag tccgataact tccagctgtc ccagggtggg 60
cagggattcg ccattccgat cgggcaggcg atggcgatcg cgggccagat caagcttccc 120

```

```

accgttcata  tcgggcctac  cgccttcctc  ggcttgggtg  ttgtgcacaa  caacggcaac  180
ggcgacacag  tccaacgcgt  ggtcgggagc  gctcgggcgg  caagtctcgg  catctcaacc  240
ggcgacgtga  tcaccgcggg  cgacggcgct  ccgatcaact  cggccaccgc  gatggcgagc  300
ggcgttaacg  ggcatcatcc  cggtgacgtc  atctcgggtg  cctggcaaac  caagtccggc  360
ggcacgcgtg  cagggaacgt  gacattggcc  gagggacccc  cggccgaatt  catgatccgg  420
gagaaatttg  cccactgcac  cgtgctaacc  attgcacaca  gattgaacac  cattattgac  480
agcgacaaga  taatggtttt  agattcagga  agactgaaag  aatatgatga  gccgtatggt  540
ttgtgcacaa  ataaagagag  cctattttac  aagatggtgc  aacacactgg  caaggcagaa  600
gcgctgcccc  tcactgaaac  agcaaaacag  agatgggggt  tcacatggtt  ggccaggctg  660
gtctcaaaact  cctga

```

&lt;210&gt; 680

&lt;211&gt; 291

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 680

```

atggggatcc  gggagaaatt  tgccactgct  accgtgctaa  coattgcaca  cagattgaac  60
accattattg  acacgcagaa  gataatgggt  ttgatttcag  gaagactgaa  agaatatgat  120
gagccgtatt  ttttgcgtca  aaataaagag  agcctatttt  acaagatggt  gcaacaactg  180
ggcaggcagc  aagccgctgc  cctcactgaa  acagcaaaac  agagatgggg  ttccactgat  240
ttggccagcg  tggctctcaa  ctccctcgag  caccaccacc  accaccactg  a

```

&lt;210&gt; 681

&lt;211&gt; 1074

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 681

```

atgtcaagcca  ttgagagggg  gtcagaggca  atcgtcagca  tccgaagaat  ccagaccttt  60
ttgtactctg  atgagatata  acacgcgaac  cgtcagctgc  cgtcagatgg  taaaaagatg  120
gtgcagtgtc  aggattttac  tgctttttgg  gataaggcat  cagagacccc  aactctacaa  180
ggcctttcct  ttactgtcag  acctggcgaa  ttgttagctg  tggtcggccc  cgtggggaga  240
gggaagtcat  cactgttaag  tgccgtgctc  ggggaattgg  ccccaagtgc  cgggctggct  300
agcgtgcgat  gaagaattgc  ctatgtgtct  cagcagccct  ggggtgttct  ggggaactct  360
aggagtaata  ttttatttgg  gaagaaatac  gaaaaggaa  gatatgaaaa  agtcataaag  420
ctgtgtgtct  tgaaaaaagg  ttacagctgt  ttggagatg  gtgatcgttc  gtgtatagga  480
gatcggggaa  ccacgctgag  tggaggcgac  aaagcacggg  taaaccttgc  aagagcagtg  540
tatcaagatg  ctgacatcta  tctcctggac  gatcctctca  gtgcagtaga  tgcggaaagt  600
agcagacact  tgttcgaact  gtgtatttgt  caaattttgc  atgagaagat  cacaatttta  660
gtgactcatc  agttgcagta  cctcaaaact  gcaagtcaga  ttctgatatt  gaagatggtt  720
aaaattgtgc  agaaggggac  ttacactgag  ttccataaat  ctggtataga  ttttggctcc  780
cttttaaga  aggataatga  ggaaagtga  caacctccag  ttccaggaa  ccccaactca  840
aggaatcgta  cctctcaga  gtcttcgggt  tggctcCaac  aatcttctag  accctccttg  900
aaaagtgtgt  cctcgagag  ccaagataca  gagaatgtcc  cagttacact  atcagaggag  960
aacggttctg  aaggaaaagt  tggttttcag  gctataaga  attacttcag  agctggtgct  1020
cactggattg  tcttcatttt  ccttattctc  gagcaccacc  accaccacca  ctga

```

&lt;210&gt; 682

&lt;211&gt; 224

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 682

Met His His His His His His Thr Ala Ala Ser Asp Asn Phe Gln Leu

5

10

15

Ser Gln Gly Gly Gln Gly Phe Ala Ile Pro Ile Gly Gln Ala Met Ala

20										25					30				
Ile	Ala	Gly	Gln	Ile	Lys	Leu	Pro	Thr	Val	His	Ile	Gly	Pro	Thr	Ala				
35							40					45							
Phe	Leu	Gly	Leu	Gly	Val	Val	Asp	Asn	Asn	Gly	Asn	Gly	Ala	Arg	Val				
50							55					60							
Gln	Arg	Val	Val	Gly	Ser	Ala	Pro	Ala	Ala	Ser	Leu	Gly	Ile	Ser	Thr				
65							70					75				80			
Gly	Asp	Val	Ile	Thr	Ala	Val	Asp	Gly	Ala	Pro	Ile	Asn	Ser	Ala	Thr				
85							90					95							
Ala	Met	Ala	Asp	Ala	Leu	Asn	Gly	His	His	Pro	Gly	Asp	Val	Ile	Ser				
100							105					110							
Val	Thr	Trp	Gln	Thr	Lys	Ser	Gly	Gly	Thr	Arg	Thr	Gly	Asn	Val	Thr				
115							120					125							
Leu	Ala	Glu	Gly	Pro	Pro	Ala	Glu	Phe	Met	Ile	Arg	Glu	Lys	Phe	Ala				
130							135					140							
His	Cys	Thr	Val	Leu	Thr	Ile	Ala	His	Arg	Leu	Asn	Thr	Ile	Ile	Asp				
145							150					155				160			
Ser	Asp	Lys	Ile	Met	Val	Leu	Asp	Ser	Gly	Arg	Leu	Lys	Glu	Tyr	Asp				
165							170					175							
Glu	Pro	Tyr	Val	Leu	Leu	Gln	Asn	Lys	Glu	Ser	Leu	Phe	Tyr	Lys	Met				
180							185					190							
Val	Gln	Gln	Leu	Gly	Lys	Ala	Glu	Ala	Ala	Ala	Leu	Thr	Glu	Thr	Ala				
195							200					205							
Lys	Gln	Arg	Trp	Gly	Phe	Thr	Met	Leu	Ala	Arg	Leu	Val	Ser	Asn	Ser				
210							215					220							

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<210> 683
<211> 357
<212> PRT
<213> Homo sapiens
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400> 683
Met Ser Ala Ile Glu Arg Val Ser Glu Ala Ile Val Ser Ile Arg Arg
              5              10              15

Ile Gln Thr Phe Leu Leu Leu Asp Glu Ile Ser Gln Arg Asn Arg Gln
              20              25              30

Leu Pro Ser Asp Gly Lys Lys Met Val His Val Gln Asp Phe Thr Ala
              35              40              45

Phe Trp Asp Lys Ala Ser Glu Thr Pro Thr Leu Gln Gly Leu Ser Phe

```

50	55	60
Thr Val Arg Pro Gly Glu Leu Leu Ala Val Val Gly Pro Val Gly Ala		
65	70	75 80
Gly Lys Ser Ser Leu Leu Ser Ala Val Leu Gly Glu Leu Ala Pro Ser		
	85	90 95
His Gly Leu Val Ser Val His Gly Arg Ile Ala Tyr Val Ser Gln Gln		
	100	105 110
Pro Trp Val Phe Ser Gly Thr Leu Arg Ser Asn Ile Leu Phe Gly Lys		
	115	120 125
Lys Tyr Glu Lys Glu Arg Tyr Glu Lys Val Ile Lys Ala Cys Ala Leu		
	130	135 140
Lys Lys Asp Leu Gln Leu Leu Glu Asp Gly Asp Leu Thr Val Ile Gly		
	145	150 155 160
Asp Arg Gly Thr Thr Leu Ser Gly Gly Gln Lys Ala Arg Val Asn Leu		
	165	170 175
Ala Arg Ala Val Tyr Gln Asp Ala Asp Ile Tyr Leu Leu Asp Asp Pro		
	180	185 190
Leu Ser Ala Val Asp Ala Glu Val Ser Arg His Leu Phe Glu Leu Cys		
	195	200 205
Ile Cys Gln Ile Leu His Glu Lys Ile Thr Ile Leu Val Thr His Gln		
	210	215 220
Leu Gln Tyr Leu Lys Ala Ala Ser Gln Ile Leu Ile Leu Lys Asp Gly		
	225	230 235 240
Lys Met Val Gln Lys Gly Thr Tyr Thr Glu Phe Leu Lys Ser Gly Ile		
	245	250 255
Asp Phe Gly Ser Leu Leu Lys Lys Asp Asn Glu Glu Ser Glu Gln Pro		
	260	265 270
Pro Val Pro Gly Thr Pro Thr Leu Arg Asn Arg Thr Phe Ser Glu Ser		
	275	280 285
Ser Val Trp Ser Gln Gln Ser Ser Arg Pro Ser Leu Lys Asp Gly Ala		
	290	295 300
Leu Glu Ser Gln Asp Thr Glu Asn Val Pro Val Thr Leu Ser Glu Glu		
	305	310 315 320
Asn Arg Ser Glu Gly Lys Val Gly Phe Gln Ala Tyr Lys Asn Tyr Phe		
	325	330 335
Arg Ala Gly Ala His Trp Ile Val Phe Ile Phe Leu Ile Leu Glu His		
	340	345 350
His His His His His		
	355	

<210> 684  
 <211> 96  
 <212> PRT  
 <213> Homo sapiens

<400> 684  
 Met Gly Ile Arg Glu Lys Phe Ala His Cys Thr Val Leu Thr Ile Ala  
                           5                          10                          15  
 His Arg Leu Asn Thr Ile Ile Asp Ser Asp Lys Ile Met Val Leu Asp  
                           20                          25                          30  
 Ser Gly Arg Leu Lys Glu Tyr Asp Glu Pro Tyr Val Leu Leu Gln Asn  
                           35                          40                          45  
 Lys Glu Ser Leu Phe Tyr Lys Met Val Gln Gln Leu Gly Lys Ala Glu  
                           50                          55                          60  
 Ala Ala Ala Leu Thr Glu Thr Ala Lys Gln Arg Trp Gly Phe Thr Met  
                           65                          70                          75                          80  
 Leu Ala Arg Leu Val Ser Asn Ser Leu Glu His His His His His His  
                           85                          90                          95

<210> 685  
 <211> 35  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PCR primer

<400> 685  
 cgcccatggg gatccgggag aaatttgccc actgc

35

<210> 686  
 <211> 35  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PCR primer

<400> 686  
 cgcctcgagg gagtttgaga ccagcctggc caaca

35

<210> 687  
 <211> 38  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PCR primer

<400> 687  
 gcatggacca tatgtcagcc attgagaggg tgtcagag 38

<210> 688  
 <211> 34  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PCR primer

<400> 688  
 ccgctcgaga ataaggaaaa tgaagacaat ccag 34

<210> 689  
 <211> 27  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PCR primer

<400> 689  
 gttgaattca tgcacggggc ccagggtg 27

<210> 690  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PCR primer

<400> 690  
 cccctcgagt cactatgggtc tgcctettga 30

<210> 691  
 <211> 915  
 <212> DNA  
 <213> Homo sapiens

<400> 691  
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 cagggtattcg ccattccgat cgggcaggcg atggcgatcg cgggccagat caagcttccc 120  
 accgttcata tggggcctac cgccttctct ggcttgggtg ttgtcgacaa caacggcaac 180  
 ggcgacagag tccaacgcgt ggtcggggag gctcggcgcg caagtctcgg catctccacc 240  
 ggcgacgtga tcacccgcgt cgacggcgct ccgatcaact cggccaccgc gatggcggac 300  
 gcgcttaacg ggcacatccc cgggtgacgt atctcgtgta cctggcaaac caagtcgggc 360  
 ggcacgcgta cagggaaacgt gacattggcc gagggacccc cggccgaatt catgcacggg 420  
 cccacggtgc tggcacgctg ctccgagtg ccttgctctg ccttgctgc cactctgcg 480  
 ggggtgcgtc tggagggggt ggaccggcca ccaaccttac ccagtcagg aagtgatgg 540  
 ccatgttccc acagcctgag tggctgccac ctgatggctg atggagcaaa ggccttagga 600  
 aaagcagatg gcccttggcc ctaccttttt gttagaagaa ctgatgttcc atgtcctgca 660  
 gcgagtgagg ttggtggctg tgcccccagc tectggcgcg ccctgcgaga ggtgactggt 720

tgctctttgg	gccctcttgg	ccttgccag	catgcacaag	cctcagtgct	actactgtgc	780
tacaaatgga	gccatatagg	ggaaacgagc	agccatctca	ggagcaaggt	gtatgctgcc	840
tttgggggct	ccagtccctg	cctcaagggt	cttatgtcac	tgtgggcttc	cttatgtgtca	900
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<210> 692
<211> 304
<212> PRT
<213> Homo sapiens
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400> 692																	
Met	His	His	His	His	His	His	Thr	Ala	Ala	Ser	Asp	Asn	Phe	Gln	Leu		
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Ser	Gln	Gly	Gly	Gln	Gly	Phe	Ala	Ile	Pro	Ile	Gly	Gln	Ala	Met	Ala		
			20					25					30				
Ile	Ala	Gly	Gln	Ile	Lys	Leu	Pro	Thr	Val	His	Ile	Gly	Pro	Thr	Ala		
		35					40					45					
Phe	Leu	Gly	Leu	Gly	Val	Val	Asp	Asn	Asn	Gly	Asn	Gly	Ala	Arg	Val		
		50				55					60						
Gln	Arg	Val	Val	Gly	Ser	Ala	Pro	Ala	Ala	Ser	Leu	Gly	Ile	Ser	Thr		
		65			70					75				80			
Gly	Asp	Val	Ile	Thr	Ala	Val	Asp	Gly	Ala	Pro	Ile	Asn	Ser	Ala	Thr		
			85					90						95			
Ala	Met	Ala	Asp	Ala	Leu	Asn	Gly	His	His	Pro	Gly	Asp	Val	Ile	Ser		
			100					105					110				
Val	Thr	Trp	Gln	Thr	Lys	Ser	Gly	Gly	Thr	Arg	Thr	Gly	Asn	Val	Thr		
		115					120					125					
Leu	Ala	Glu	Gly	Pro	Pro	Ala	Glu	Phe	Met	His	Gly	Pro	Gln	Val	Leu		
		130				135					140						
Ala	Arg	Cys	Ser	Glu	Cys	Ala	Cys	Pro	Ala	Leu	Ala	Ala	Thr	Ser	Ala		
					150					155				160			
Gly	Val	Arg	Leu	Glu	Gly	Val	Asp	Arg	Pro	Pro	Thr	Leu	Pro	Ser	Gln		
			165					170					175				
Gly	Ser	Gly	Trp	Pro	Cys	Ser	His	Ser	Leu	Ser	Gly	Cys	His	Leu	Met		
		180					185						190				
Ala	Asp	Gly	Ala	Lys	Ala	Leu	Gly	Lys	Ala	Asp	Gly	Pro	Trp	Pro	Tyr		
		195				200					205						
Leu	Phe	Val	Arg	Arg	Thr	Asp	Val	Pro	Cys	Pro	Ala	Ala	Ser	Glu	Val		
		210				215					220						
Gly	Gly	Cys	Ala	Pro	Ser	Ser	Trp	Arg	Ala	Leu	Ala	Glu	Val	Thr	Gly		
				230						235				240			
Cys	Ser	Leu	Gly	Pro	Leu	Gly	Leu	Ala	Gln	His	Ala	Gln	Ala	Ser	Val		
				245				250						255			



Leu Leu Leu Cys Tyr Lys Trp Ser His Ile Gly Glu Thr Ser Ser His  
 260 265 270

Leu Arg Ser Lys Val Tyr Ala Ala Phe Gly Gly Ser Ser Pro Cys Leu  
 275 280 285

Lys Gly Leu Met Ser Leu Trp Ala Ser Trp Leu Ser Arg Gly Arg Pro  
 290 295 300

<210> 693  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PCR primer

<400> 693  
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24

<210> 694  
 <211> 29  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PCR primer

<400> 694  
 cctgaccgaa ttcattaact ggctctggac

29

<210> 695  
 <211> 166  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (1)...(166)  
 <223> Xaa = Any Amino Acid

<400> 695  
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 20 25 30  
 Lys Leu Asp Glu Ser Val Ser Glu Ser Asp Thr Ile Arg Ser Ile Ser  
 35 40 45  
 Ile Ala Ser Gln Cys Pro Thr Ala Gly Asn Ser Cys Leu Val Ser Gly  
 50 55 60  
 Trp Gly Leu Leu Ala Asn Gly Arg Met Pro Thr Val Leu Gln Cys Val  
 65 70 75 80  
 Asn Val Ser Val Val Ser Glu Glu Val Cys Ser Lys Leu Tyr Asp Pro

	85		90		95
Leu Tyr His Pro Ser Met Phe Cys Ala Gly Gly Gln Xaa Gln Xaa					
	100		105		110
Asp Ser Cys Asn Gly Asp Ser Gly Gly Pro Leu Ile Cys Asn Gly Tyr					
	115		120		125
Leu Gln Gly Leu Val Ser Phe Gly Lys Ala Pro Cys Gly Gln Val Gly					
	130		135		140
Val Pro Gly Val Tyr Thr Asn Leu Cys Lys Phe Thr Glu Trp Ile Glu					
	145		150		155
Lys Thr Val Gln Ala Ser					160
	165				

<210> 696  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1)...(504)  
 <223> n = A,T,C or G

<400> 696	
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aacagaccct tgctcgctaa cgacctcatg ctcatcaagt tggacgaatc cgtgtccgag	120
tcgacacca tcggagcat cagcattgct tcgcagtgcc ctaccggggg gaactcttgc	180
ctcgtttctg gctgggggtct gctggcgaac gccagaatgc ctaccgtgct gcagtcctgc	240
aacgtgtcgg tgggtgtctga ggaggtctgc agtaagctct atgaccogct gtaccacccc	300
agcatgttct gcgccggcgg agggcaanac cagaangact cctgcaacgg tgactctggg	360
ggcccoctga tctgcaacgg gtacttgacg gcccttggtg ctttcggaaa agccccgtgt	420
ggccaagtgt gcgtgccagg tgtctacacc aacctctgca aattcactga gtgगतagag	480
aaaaccgtcc aggcagctta atga	504

<210> 697  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PCR primer

<400> 697	
ctcaggggttc cggagccgcg g	21

<210> 698  
 <211> 35  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> PCR primer

<400> 698	
ctatagaatt cattaccaa aagctgggct ccagc	35

<210> 699